

01499752

METHOD FOR SETTING UP COMMUNICATION PATHS BETWEEN ACCESS POINTS OF A SWITCHING SYSTEM AND SWITCHING SYSTEM IMPLEMENTING SAID METHOD  
 VERFAHREN ZUM ERICHTEN VON KOMMUNIKATIONSPUNKTEN ZWISCHEN ZUGRIFFSPUNKTEN  
 EINES VERMITTLUNGSSYSTEMS UND DAS VERFAHREN IMPLEMENTIERTES  
 VERMITTLUNGSSYSTEM

PROCÉDÉ D'ÉTABLISSEMENT DE CHEMINS DE COMMUNICATION ENTRE DES POINTS  
 D'ACCÈS D'UN SYSTÈME DE COMMUTATION, ET SYSTÈME DE COMMUTATION METtant  
 EN ŒUVRE LE PROCÉDÉ

PATENT ASSIGNEE:

AASTRA MATRA TELECOM (7501870), 1, rue Arnold Schoenberg, 78280  
 Guyancourt, (FR), (Proprietor designated states: all)

INVENTOR:

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 CHEVRIER, Emmanuel, 12, Villa de l'Albatros, F-91470 Limours, (FR)

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PATENT (CC, No, Kind, Date): EP 1344384 A1 030917 (Basic)  
 EP 1344384 B1 070321  
 WO 2002052826 020704

APPLICATION (CC, No, Date): EP 2001272060 011211; WO 2001FR3918 011211  
 Priority (CC, No, Date): FR 0016928 001222

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
 LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04M 007/00; H04L-029/12; H04M 003/54;  
 H04M 003/56

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

H04M 007/00	A I	F B 20060101 20020710 H EP
H04L-0029/12	A I	L B 20060101 20020710 H EP
H04M 0003/54	A I	L B 20060101 20020710 H EP
H04M 0003/56	A I	L B 20060101 20020710 H EP

NOTE:

No A-document published by EPO

LANGUAGE (Publication, Procedural, Application): French; French; French

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200712	1277
CLAIMS B	(German)	200712	1056
CLAIMS B	(French)	200712	1302
SPEC B	(French)	200712	8074
Total word count - document A			0
Total word count - document B			11709
Total word count - documents A + B			11709

... CLAIM said call configuration data indicating whether the communication path to be set up comprises a **gateway** interface.

9. The method as claimed in claim 8, comprising the following steps for setting... .

... requested terminals:- creation of a first call processing task (71, 171) in the call server **associated** with the requester terminal (70, 170);

- information, by the first call processing task, of a setup message including at least one number of the **requested** terminal and the indication of the family of the **access point** to which the **requester** terminal is connected;

- in response to the receipt of said setup message, creation of a second call processing task (81, 181) in the call server **associated** with the **requested terminal** (80, 180);

- interrogation of the configuration manager by the second call processing task, on the basis of a set of parameters relating... .

15/3, K5 (Item 1 from file: 350)

DI ALOG(R) File 350: Derwent WPI X

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0017338274 - Drawing available  
WPI ACC NO: 2008-B58713/200811

XRPX Acc No: N2008-125052

Local area network access control system for wireless client e.g. laptop, has switch for warding all communications received from wireless client via access point onto network after adding address for client into switch table

Patent Assignee: CISCO TECHNOLOGY INC (CISCO-N)

Inventor: ANDRADE M B; HALASZ D E; SHUEN P

Patent Family (1 patent(s), 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 7325246	B1	20080129	US 200241005	A	20020107	200811 B

Priority Applications (no., kind, date): US 200241005 A 20020107

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 7325246	B1	EN	9	3		

... system for wireless client e.g. laptop, has switch for warding all communications received from wireless client via access point onto network after adding address for client into switch table

**Alerting Abstract** ... server via a network, where an access point is communicatively coupled to the switch. The access point forwards all communications received from an authenticated wireless client e.g. laptop, to the switch responsive to the wireless client successfully authenticating with the authentication server. The switch forwards all communications received from the wireless client via the access point onto the network after adding an address for the wireless client into a switch table.

#### Original Publication Data by Authority

##### Argentina

Assignee name & address:

##### Original Abstracts:

... is authorized to communicate over the network. The trust relationship is then extended from the access point to a wireless client requesting connection to the network such that access to the network by said wireless client is...

##### Claims:

... and the switch is configured to block packets having addresses that are not in the switch table; wherein the switch is configured to be the authenticator for the access point and is configured to authenticate the access point with the authentication server and establish a secure communication session with the access point; wherein the access point is configured to be the authenticator for a wireless client having an address, the access point communicates with the authentication server using the secure communication session established with the switch; wherein the access point is configured to send a message to the switch via the secure communication session, the message comprising data indicating the wireless client is authenticated...

... with the authentication server; wherein the switch is responsive to receiving the message from the access point indicating the wireless client is authenticated to add an address for the wireless client into the switch table; wherein the access point is configured to forward all communications received from the authenticated wireless client to the switch responsive to the wireless client successfully authenticating with the authentication server; and wherein the switch is configured to forward all communications received from the wireless client via the access point onto the network after adding the address for the wireless client into the switch table. Basic Derwent Week: 200811

15/5/6 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0014180099 - Drawing available  
WPI ACC NO: 2004-365370/200434  
XRPX Acc No: N2004-292259

Enterprise gateways configuring method in generalized packet radio services system, involves determining enterprise Internet protocol address identifying interface of gateway and domain name associated with enterprise network

Patent Assignee: CISCO TECH IND (CISC-N); CISCO TECHNOLOGY INC (CISC-N)  
Inventor: FEATHER A E

Patent Family (5 patents, 105 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
WO 2004036874	A1	20040429	WO 2003US32839	A	20031015	200434 B
US 20040081173	A1	20040429	US 2002272353	A	20021015	200434 E
AU 2003285885	A1	20040504	AU 2003285885	A	20031015	200467 E
EP 1552666	A1	20050713	EP 2003779112	A	20031015	200546 E
			WO 2003US32839	A	20031015	
CN 1706167	A	20051207	CN 200380101462	A	20031015	200636 E

Priority Applications (no., kind, date): US 2002272353 A 20021015

Patent Details

Number Kind Lan Pg Dwg Filing Notes

WO 2004036874 A1 EN 35 4

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY  
BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU  
ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX  
MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ  
UA UG UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG CH CY CZ DE DK EA EE ES FI  
FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ  
TR TZ UG ZM ZW

AU 2003285885 A1 EN Based on OPI patent WO 2004036874  
EP 1552666 A1 EN PCT Application WO 2003US32839

Based on OPI patent WO 2004036874

Regional Designated States,Original: AL AT BE BG CH CY CZ DE DK EE ES FI  
FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

#### Alerting Abstract WO A1

NOVELTY - The method involves determining an enterprise Internet protocol (IP) address that identifies the interface of an enterprise gateway (22) and an enterprise domain name associated with the enterprise network. An address for a border gateway is determined within an operator network (18). A configuration request is communicated to the border gateway and operator configuration information is received from the border gateway.

DESCRIPTION - The interface couples one or more components of an enterprise and the operator network links the enterprise gateway to one or more mobile nodes e.g. cellular telephones, personal computers, personal digital assistants and mobile handsets. The operator configuration information comprises an access point name associated to the enterprise network and for use by the mobile nodes to request to the enterprise network. INDEPENDENT CLAIMS are also included for the following:

1. an enterprise gateway for communicating data communications between a mobile node and an enterprise network
2. a border gateway for communicating data communications between a mobile node and an enterprise network
3. a logic for configuring enterprise gateways

4. a system for configuring enterprise gateways.

USE - Used for configuring enterprise gateways in a generalized packet radio services (GPRS) system

ADVANTAGE - The method permits gateway equipment and much of their functionality to reside within enterprise networks rather than operator networks, thereby centralizing management of who may access the enterprise network in the network itself.

DESCRIPTION OF DRAWINGS - The drawing shows a system that includes an enterprise gateway linking an operator network to an enterprise network.

10 System

12 Mobile nodes

14 Enterprise networks

16 Radio access network

18 Operator network

22 Enterprise gateway

**Title Terms/ Index Terms/ Additional Words:** GATEWAY; METHOD; GENERAL; PACKET; RADIO SERVICE; SYSTEM; DETERMINE; PROTOCOL; ADDRESS; IDENTIFY; INTERFACE; DOMAIN; NAME; ASSOCIATE; NETWORK

#### Class Codes

International Classification (Main): H04L-012/28, H04L-029/06

(Additional / Secondary): H04L-012/00

US Classification, Issued: 370395540, 370401000

File Segment: EPI;

DWPI Class: W01

Manual Codes (EPI / S-X): W01-A03B; W01-A06E; W01-A06F2A; W01-A06G2; W01-B05A1A; W01-C05B3J

15/5/7 (Item 3 from file: 350)

DIALOG(R) File 350: Derwent WPI X

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0014120213 - Drawing available  
WPI ACC NO: 2004-304688/200428

XRPX Acc No: N2004-242668

Data flow control process in enterprise wireless network, involves exchanging information relating to configuration status of wireless device and client session status of access points, through messaging protocol

Patent Assignee: BROADCOM CORP (BROA-N)

Inventor: HASSEN A O; LORKE; MARTIN R

Patent Family (5 patents, 32 countries)

Patent Number	Kind	Date	Number	Kind	Date	Update	
US 20040068668	A1	20040408	US 2002416528	P	20021008	200428	B
			US 2003632807	A	20030804		
EP 1408653	A1	20040414	EP 200322872	A	20031008	200428	E
EP 1408653	B1	20060104	EP 200322872	A	20031008	200603	E
DE 60303075	E	20060330	DE 60303075	A	20031008	200628	E
			EP 200322872	A	20031008		
DE 60303075	T2	20060914	DE 60303075	A	20031008	200663	E
			EP 200322872	A	20031008		

Priority Applications (no., kind, date): US 2002416528 P 20021008; US 2003632807 A 20030804

#### Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes	Relat ed to	Provi sional	US 2002416528
US 20040068668	A1	EN	25	14	Relat ed to	Provi sional		
EP 1408653	A1	EN						
Regional Designated States, Original:	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU I E IT LI LT LU LV MC MK NL PT RO SE SI SK TR							
EP 1408653	B1	EN						
Regional Designated States, Original:	DE FR GB							
DE 60303075	E	DE			Appl icati on	EP 200322872		
					Based on OPI	pat ent	EP 1408653	
DE 60303075	T2	DE			Appl icati on	EP 200322872		
					Based on OPI	pat ent	EP 1408653	

### **Alerting Abstract US A1**

NOVELTY - A network device periodically polls for a status of a wireless device from an access point. The access points and the network device exchange information relating to configuration status and client session status of the access points, through a messaging protocol.

DESCRIPTION - An INDEPENDENT CLAIM is also included for network device.

USE - For controlling flow of data in wireless local area network, for use in home or small office, enterprise, airport, library, conference, etc.

ADVANTAGE - Provides easy installation and maintenance, seamless mobility of wireless devices in the enterprises, and security for enterprise.

DESCRIPTION OF DRAWINGS - The figure illustrates the message exchange sequence for client login.

**Title Terms/ Index Terms/ Additional Words:** DATA; FLOW CONTROL; PROCESS; WIRELESS; NETWORK; EXCHANGE; INFORMATION; RELATED; CONFIGURATION; STATUS; DEVICE; CLIENT; SESSION; ACCESS; POINT; THROUGH; MESSAGING; PROTOCOL

### **Class Codes**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04L-0012/28	A	I	F	B	20060101
H04L-0012/28	A	I	F		20060101
H04L-0012/28	A	I	R		20060101
H04L-0012/28	C	I	F	B	20060101
H04L-0012/28	C	I	L	B	20060101
H04L-0012/28	C	I	R		20060101

US Classification, Issued: 713201000, 709223000, 380270000, 370235000

File Segment: EPI;

DWPI Class: W01

Manual Codes (EPI/S-X): W01-A06B5A; W01-A06C4; W01-A06E

**15/5/9 (Item 5 from file: 350)**

DILOG(R) File 350: Derwent WPI X

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0014019256 - Drawing available  
WPI ACC NO: 2004-200920/200419

XRPX Acc No: N2004-159517

Cellular communication network for mobile telecommunications system has radio frequency manager which manages handoff including handoff to self that enable transition of mobile and base stations from first to second frequency

Patent Assignee: NORTEL NETWORKS LTD (NELE)

Inventor: CARTER D; WILSON J E

Patent Family (1 patents, 1 countries)

Patent	Number	Kind	Date	Number	Kind	Date	Update
	US 6701148	B1	20040302	US 1999468551	A	19991221	200419 B

Priority Applications (no., kind, date): US 1999468551 A 19991221

### **Patent Details**

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 6701148	B1	EN	10	5	

### **Alerting Abstract US B1**

NOVELTY - The cellular communication network includes a radio frequency manager which manages the handoff upon the occurrence of a predetermined event. The handoff includes a handoff to self operable to enable transition of the mobile station and the base station from a first to a second frequency while remaining operatively coupled.

DESCRIPTION - A second frequency is selected without querying a second cell for frequency information. INDEPENDENT CLAIMS are also included for the following:

1. a method of radio frequency management in a cellular network; and
2. a method for radio frequency transition using a handoff to self in a telecommunications network.

USE - For mobile telecommunications system wireless communication system

e.g. time division multiple access system

**ADVANTAGE** - Eliminates the requirement for another radio with an empty time slot. Allows for a radio with interference to change from a first channel to a second channel immediately, without having to wait for the existing calls on the radio to finish prior to changing from the first channel to the second channel.

**DESCRIPTION OF DRAWINGS** - The figures shows the flowchart for performing a handoff to self, and a flowchart for handling channel change.

**Title Terms/Index Terms/Additional Words:** CELLULAR; COMMUNICATE; NETWORK; MOBILE; TELECOMMUNICATION; SYSTEM; RADIO; FREQUENCY; MANAGE; SELF; ENABLE; TRANSITION; BASE; STATUS; FIRST; SECOND

### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04Q 0007/36 A N R 20060101

H04Q 0007/38 A I R 20060101

H04Q 0007/36 C N R 20060101

H04Q 0007/38 C I R 20060101

US Classification, Issued: 455436000, 455437000, 455439000, 455442000,  
455444000, 370331000, 370332000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A; W02-C03C1D; W02-K02

**15/5/10 (Item 6 from file: 350)**

DIALOG(R) File 350: Derwent WPI X  
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0013910541 - Drawing available

WPI ACC NO: 2004-090103/200409

XRPX Acc No: N2004-072247

Wireless access control method involves instructing access gateway to establish channel between mobile terminal and equipment external to network, based on whether communication between terminal and equipment is allowed

Patent Assignee: NEC CORP (NI DE)

Inventor: TAKEJI M TAKETSUGU M

Patent Family (7 patents, 4 countries)

Patent Number	Kind	Date	Number	Application Kind	Date	Update	
US 20040005888	A1	20040108	US 2003612953	A	20030707	200409	B
JP 2004040729	A	20040205	JP 2002198830	A	20020708	200411	E
GB 2391764	A	20040211	GB 200315958	A	20030708	200413	E
CN 1471279	A	20040128	CN 2003148573	A	20030704	200426	E
GB 2391764	B	20060412	GB 200315958	A	20030708	200626	E
JP 3991208	B2	20071017	JP 2002198830	A	20020708	200770	E
US 7302257	B2	20071127	US 2003612953	A	20030707	200780	E

Priority Applications (no., kind, date): JP 2002198830 A 20020708; US 2003612953 A 20030707

### Patent Details

Number Kind Lan Pg Dwg Filing Notes

US 20040005888 A1 EN 14 6

JP 2004040729 A JA 13

JP 3991208 B2 JA 11 Previously issued patent JP 2004040729

### Alerting Abstract US A1

**NOVELTY** - A control signal for establishing communication with an equipment external to the wireless network, is transmitted from mobile terminal (100) to base station (200). A control station (300) instructs access gateway (400) to establish a channel between mobile terminal and network, based on whether communication between terminal and equipment is allowed. The control signal is transmitted to equipment, when the channel is established.

**DESCRIPTION** - An INDEPENDENT CLAIM is also included for wireless access system

**USE** - For controlling wireless access in internet, local area network

( LAN), using mobile terminal.

**ADVANTAGE** - Enables the access network control station to apply a new internet protocol (IP) layer to the wireless access network, without allowing the **base station** to add or amend the new IP layer to a wireless region specific signal.

**DESCRIPTION OF DRAWINGS** - The figure shows the block diagram of the wireless access system

100 mobile terminal

200 wireless **base station**

300 access network control station

400 wireless access gateway

405 channel establishment device

**Title Terms/ Index Terms/ Additional Words:** WIRELESS; ACCESS; CONTROL; METHOD; INSTRUCTION; GATEWAY; ESTABLISH; CHANNEL; MOBILE; TERMINAL; EQUIPMENT; EXTERNAL; NETWORK; BASED; COMMUNICATE; ALLOW

#### Class Codes

International Classification (Main): H04Q 007/20

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04B-0007/ 26	A	I	R	20060101
H04L-0012/ 28	A	I	F	B
H04L-0012/ 28	A	I	F	R
H04L-0012/ 66	A	I	R	20060101
H04Q-0007/ 20	A	I	R	20060101
H04Q-0007/ 22	A	I	L	B
H04Q-0007/ 22	A	I	L	R
H04Q-0007/ 24	A	I	L	B
H04Q-0007/ 24	A	I	L	R
H04Q-0007/ 26	A	I	L	B
H04Q-0007/ 26	A	I	L	R
H04Q-0007/ 30	A	I	L	B
H04Q-0007/ 30	A	I	L	R
H04Q-0007/ 32	A	I	R	20060101
H04Q-0007/ 36	A	I	L	B
H04Q-0007/ 36	A	I	L	R
H04Q-0007/ 38	A	I	L	B
H04Q-0007/ 38	A	I	L	R
H04Q-0007/ 20	A	I	F	B
H04B-0007/ 26	C	I	R	20060101
H04L-0012/ 28	C	I	F	B
H04L-0012/ 28	C	I	F	R
H04L-0012/ 66	C	I	R	20060101
H04Q-0007/ 20	C	I	R	20060101
H04Q-0007/ 22	C	I	L	B
H04Q-0007/ 22	C	I	L	R
H04Q-0007/ 24	C	I	L	B
H04Q-0007/ 24	C	I	L	R
H04Q-0007/ 26	C	I	L	B
H04Q-0007/ 26	C	I	L	R
H04Q-0007/ 30	C	I	L	B
H04Q-0007/ 30	C	I	L	R
H04Q-0007/ 32	C	I	R	20060101
H04Q-0007/ 36	C	I	L	B
H04Q-0007/ 36	C	I	L	R
H04Q-0007/ 38	C	I	L	B
H04Q-0007/ 38	C	I	L	R
H04Q-0007/ 20	C	I	B	20060101

US Classification, Issued: 455450000, 455422100, 455422100, 455069000, 455041200, 455411000, 455414100, 455417000, 370328000, 370338000, 370401000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI / S-X): W01-A03B; W01-A06F2A; W01-A06G2; W01-A06G3; W01-A06G5C; W01-B05A1A; W01-C02D; W02-C03C1A

15/5/15 (Item 11 from file: 350)

DILOG(R) File 350: Derwent WPI X

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0013157383 - Drawing available  
WPI ACC NO: 2003-240134/ 200323  
XRPX Acc No: N2003-191293

Virtual link system for wireless device e.g. Bluetoot h enabled PDA to LAN connected peripheral e.g. printer using virtual device table and permissions filter to ensure virtual linking between devices

Patent Assignee: FUHRING J (FUHR-I); JULLOTA J M (JLL-I); KAMSTRA D (KAM-S-I); STEPHENS S (STEP-I); STRIX SYSTEMS INC (STRI-N); BEASLEY J (BEAS-I)

Inventor: BEASLEY J; FUHRING J; JULLOTA J; JULLOTA J M; KAMSTRA D; STEPHENS S

**Patent Family (6 patents, 100 countries)**

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2003021978	A1	20030313	WO 2002US25644	A	20020812	200323 B
US 20030095524	A1	20030522	US 2001311716	P	20010810	200336 E
			US 2002218178	A	20020812	
EP 1421804	A1	20040526	EP 2002761344	A	20020812	200435 E
			WO 2002US25644	A	20020812	
AU 2002326620	A1	20030318	AU 2002326620	A	20020812	200452 E
US 7170857	B2	20070130	US 2001311716	P	20010810	200710 E
			US 2002218178	A	20020812	
US 20070115819	A1	20070524	US 2001311716	P	20010810	200735 E
			US 2002218178	A	20020812	
			US 2007625138	A	20070119	

Priority Applications (no., kind, date): US 2001311716 P 20010810; US 2002218178 A 20020812; US 2007625138 A 20070119

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
WO 2003021978	A1	EN	51	15		

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MK MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States, Original: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

US 20030095524 A1 EN Relat ed to Provisional US 2001311716  
EP 1421804 A1 EN PCT Application WO 2002US25644

Based on CPO patent WO 2003021978

Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Based on CPO patent WO 2003021978

AU 2002326620 A1 EN Relat ed to Provisional US 2001311716

US 7170857 B2 EN Relat ed to Provisional US 2001311716

US 20070115819 A1 EN Relat ed to Provisional US 2001311716

Continuation of application US 2002218178  
Continuation of patent US 7170857

**Alerting Abstract WO A1**

NOVELTY - Includes an **access point** (132) and a **controller** (130) configured to mediate transmissions between the wireless device e.g. Bluetoot h enabled wireless Personal Digital Assistant (118) and the another device e.g. printer (112) connected via a LAN to the system. A virtual device table and a permissions filter are maintained to ensure virtual linking between devices (118, 112) that have matching access right and requested services.

DESCRIPTION - INDEPENDENT CLAIMS are included for an apparatus, a method and a computer readable medium

USE - For virtual linking a wireless device e.g. Bluetoot h enabled PDA to a e.g. peripheral device on a LAN e.g. printer, scanner, etc.

ADVANTAGE - User wireless device need not carry appropriate LAN protocol and print drivers to facilitate printing over indirect connection to non-Bluetoot h LAN connected printer.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of the system

112 Printer

118 Wireless Personal Digital Assistant

130 Controller  
132 Access point

**Title Terms/ Index Terms/ Additional Words:** VIRTUAL; LINK; SYSTEM RELEASE; DEVICE; ENABLE; LAN; CONNECT; PERIPHERAL; PRINT; TABLE; FILTER; ENSURE

**Class Codes**

International Classification (Main): H04Q 007/00

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04J-0001/16	A	I	F	B	20060101
H04L-0012/28	A	I		R	20060101
H04L-0012/56	A	I		R	20060101
H04L-0029/06	A	I		R	20060101
H04L-0029/08	A	N		R	20060101
H04L-0012/26	A	I	F	B	20060101
H04J-0001/00	C	I	F	B	20060101
H04L-0012/28	C	I		R	20060101
H04L-0012/56	C	I		R	20060101
H04L-0029/06	C	I		R	20060101
H04L-0029/08	C	N		R	20060101
H04L-0012/26	C	I		B	20060101

US Classification, Issued: 370353000, 370338000, 370230000, 370230000,  
370401000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI / S-X): T01-C03C; T01-C05A1; T01-M06A1A; T01-N02A2A;  
T01-S03; W01-A06B5A; W01-A06C4A; W01-A06F2C

**15/5/16 (Item 12 from file: 350)**

DI ALOG(R) File 350: Derwent WPI X  
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0013146243 - Drawing available  
WPI ACC NO: 2003-228720/200322

XRPX Acc No: N2003-181968

**Network device for mobile communication system controls transmission of power to multiple channels and returns surplus power to power allocation controller**

Patent Assignee: FUJITSU LTD (FUIT); GOTO H (GOTO-I); YAMANOBE T (YAMA-I)

Inventor: GOTO H; YAMABE T; YAMANOBE T

**Patent Family (4 patents, 3 countries)**

Patent Number	Kind	Date	Number	Kind	Date	Update
US 20030003941	A1	20030102	US 2001968447	A	20011001	200322 B
JP 2003008504	A	20030110	JP 2001194616	A	20010627	200322 E
KR 2003001205	A	20030106	KR 200167015	A	20011030	200332 E
US 6961581	B2	20051101	US 2001968447	A	20011001	200571 E

Priority Applications (no., kind, date): JP 2001194616 A 20010627; US 2001968447 A 20011001

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20030003941	A1	EN	24	17	
JP 2003008504	A	JA	14		

**Alerting Abstract US A1**

NOVELTY - A power allocation controller (25) allocates prescribed transmission power to a requesting communication channel. A channel power controller (41) controls the transmission of power and returns surplus power to the power allocation controller, when the actual transmitted power falls below the allocated power.

DESCRIPTION - An INDEPENDENT CLAIM is included for method of managing power in network device of mobile communication system

USE - For mobile communication system

ADVANTAGE - Achieves appropriate power allocation resulting in improved communication quality.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the

mobile radio system  
25 power allocation controller  
41 channel power controller

**Title Terms/ Index Terms/ Additional Words:** NETWORK; DEVICE; MOBILE;  
COMMUNICATE; SYSTEM; CONTROL; TRANSMISSION; POWER; MULTIPLE; CHANNEL;  
RETURN; SURPLUS; ALLOCATE

**Class Codes**

International Classification (Main): H04B-007/26

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04B-0007/005 A I R 20060101

H04B-0007/26 A I F R 20060101

H04Q-0007/38 A I R 20060101

H04B-0007/005 C I R 20060101

H04B-0007/26 C I F R 20060101

H04Q-0007/38 C I R 20060101

US Classification, Issued: 455522000, 455013200, 455522000, 455013400,  
455127100

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A; W02-C03C1B; W02-C03E3

**15/5/17 (Item 13 from file: 350)**

DIALOG(R) File 350: Derwent WPI X

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0013117573 - Drawing available

WPI ACC NO: 2003-199269/ **200319**

Related WPI Acc No: 2002-529242; 2002-538717; 2003-068535; 2003-288251;  
2003-776987

XRPX Acc No: N2003-158487

Wireless communication exchange system e.g. for cellular telephone,  
performs hand-off for communication link and link context to specific base  
station when quality of established link is dropped below threshold  
value

Patent Assignee: BEASLEY J (BEAS-1); DOMBROWSKI D (DOMB-1); FUHRING J  
(FUHR-1); JCOLLOTA J (JCOLL-1); KAMSTRA D (KAMS-1); KUIKEN M (KUIK-1);  
MERGENTHAL W (MERG-1); MOHAMMAD S (MOHA-1); SHERICK C (SHER-1);  
STEPHENS S (STEP-1); STRIX SYSTEMS INC (STRI-N); WHITE A (WHITE-1);  
ZANDIAN S (ZAND-1)

Inventor: BEASLEY J; DOMBROWSKI D; FUHRING J; JCOLLOTA J; KAMSTRA D; KUIKEN  
M; MERGENTHAL W; MOHAMMAD S; SHERICK C; STEPHENS S; WHITE A; ZANDIAN S

Patent Family (2 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 20020167965	A1	20021114	US 2001262558	P	20010118	200319 B
			US 2001288294	P	20010502	
			US 2001333885	P	20011128	
			US 200252910	A	20020118	
US 7016325	B2	20060321	US 200252910	A	20020118	200621 E

Priority Applications (no., kind, date): US 2001262558 P 20010118; US  
2001288294 P 20010502; US 2001333885 P 20011128; US 200252910 A  
20020118

**Patent Details**

Number	Kind	Lang	Pg	Dwg	Filing Notes	Relat ed to Provisional	US 2001262558
US 20020167965	A1	EN	32	14	Relat ed to Provisional	US 2001262558	
					Relat ed to Provisional	US 2001288294	
					Relat ed to Provisional	US 2001333885	

**Alerting Abstract US A1**

NOVELTY - A base station (102) obtains an unique session address  
associated with an unique Bluetooth device address (BDADDR) and  
establishes a communication link with a mobile unit (104). The link context  
data associated with the mobile unit, is identified based on the unique  
address. The link and link context are hand-off to another base station  
(108) when the determined quality of the link is dropped below a threshold

value.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Communication exchange method;
2. Computer readable medium storing communication exchange program and
3. Communication exchange apparatus.

USE - For exchanging wireless communication between cellular telephones, personal digital assistant (PDA), personal computers, cordless telephones, headsets, etc.

ADVANTAGE - The communication link is efficiently handed off without the assistance of mobile unit while maintaining continuous communication context.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the single internet protocol subnet architecture.

102, 108 Base stations

104 Mobile unit

**Title Terms/ Index Terms/ Additional Words:** WIRELESS; COMMUNICATE; EXCHANGE; SYSTEM; CELLULAR; TELEPHONE; PERFORMANCE; HAND; LINK; CONTEXT; SPECIFIC; BASE; STATION; QUALITY; ESTABLISH; DROP; BELOW THRESHOLD; VALUE

#### Class Codes

International Classification (+ Attributes)

I PC + Level Value Position Status Version

H04J-0003/ 16	A	I	L	B	20060101
H04L-0012/ 28	A	I	L	B	20060101
H04L-0012/ 28	A	I		R	20060101
H04L-0012/ 56	A	I		R	20060101
H04L-0029/ 12	A	I		R	20060101
H04L-0007/ 00	A	N		R	20060101
H04Q-0007/ 00	A	I	F	B	20060101
H04Q-0007/ 38	A	I		R	20060101
H04J-0003/ 16	C	I	L	B	20060101
H04L-0012/ 28	C	I	L	B	20060101
H04L-0012/ 28	C	I		R	20060101
H04L-0012/ 56	C	I		R	20060101
H04L-0029/ 12	C	I		R	20060101
H04L-0007/ 00	C	N		R	20060101
H04Q-0007/ 00	C	I	L	B	20060101
H04Q-0007/ 38	C	I		R	20060101

US Classification, Issued: 370465000, 370352000, 370331000, 370401000, 370469000, 455041200

File Segment: EPI;

DWPI Class: T01; W01; W02

Manual Codes (EPI/S-X): T01-S03; W01-B05A1A; W02-C03C1A; W02-C03C1D; W02-K02E; W02-K02X

15/5/22 (Item 18 from file: 350)

DIALOG(R) File 350: Derwent WPI X

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0012880751

WPI ACC NO: 2002-740028/ 200280

Related WPI Acc No: 2003-428852; 2003-596697; 2005-194110; 2005-656067

XRPX Acc No: N2002-583019

Method to route and remotely upload software updates to ARINC 615 compliant LRUs on aircraft, involves converting ARINC 615 communication for software upload into standard network-based protocol

Patent Assignee: BOEING CO (BOEI); HOLST W (HOLST-W); LEED D R (LEED-D)

Inventor: BRIAN KEY R R; HOLST W LEE D R; MATTHEW PRICE J L

Patent Family (10 patents, 99 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 20020111720	A1	20020815	US 2001268085	P	20010213	200280 B

WO 2002065683	A2	20020822	WO 2002US4128	A	20020212	200280 E
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WO 2002079918	A2	20021010	WO 2002US4125	A	20020212	200280	E
EP 1368725	A2	20031210	EP 2002733800	A	20020212	200382	E
			WO 2002US4125	A	20020212		
EP 1370953	A2	20031217	EP 2002709489	A	20020212	200402	E
			WO 2002US4128	A	20020212		
US 6671589	B2	20031230	US 200242374	A	20020104	200402	E
AU 2002243971	A1	20020828	AU 2002243971	A	20020212	200427	E
AU 2002305931	A1	20021015	AU 2002305931	A	20020212	200432	E
AU 2002243971	A8	20051013	AU 2002243971	A	20020212	200611	E
AU 2002305931	A8	20051013	AU 2002305931	A	20020212	200611	E

Priority Applications (no., kind, date): US 2001268085 P 20010213; US 200242374 A 20020104

#### Patent Details

Number	Kind	Lang.	Pg	Dwg	Filing	Notes
US 20020111720	A1	EN	9	4	Related to Provisional	US 2001268085
WO 2002065683	A2	EN				

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

WO 2002079918 A2 EN

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

EP 1368725 A2 EN PCT Application WO 2002US4125

Based on OPI patent WO 2002079918

Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

EP 1370953 A2 EN PCT Application WO 2002US4128

Based on OPI patent WO 2002065683

Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

AU 2002243971 A1 EN Based on OPI patent WO 2002065683

AU 2002305931 A1 EN Based on OPI patent WO 2002079918

AU 2002243971 A8 EN Based on OPI patent WO 2002065683

AU 2002305931 A8 EN Based on OPI patent WO 2002079918

#### Alerting Abstract US A1

NOVELTY - All ARI NC 615 compatible avionics computers, operational program configuration files and performance databases are connected to an electronic apparatus. The electronic apparatus converts the ARI NC 615 communication for software upload received from the compatible computers into standard network-based protocols for further information transmission to network clients.

DESCRIPTION - An INDEPENDENT CLAIM is included for an apparatus for manually and remotely activating ARI NC 615 communication with connected aircraft computers.

USE - For routing and remotely uploading software updates to ARI NC 615 compliant LRU's on aircraft.

ADVANTAGE - Enables remote and/or automated acquisition of fault and maintenance data from airborne computers effectively using ARI NC 615 communication.

**Title Terms/ Index Terms/ Additional Words:** METHOD; ROUTE; REMOTE; SOFTWARE; UPDATE; COMPLIANT; AIRCRAFT; CONVERT; COMMUNICATE; STANDARD; NETWORK; BASED; PROTOCOL

#### Class Codes

International Classification (Main): G06F-013/38, G06F-017/00, H04B-007/00

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0001/00 A I R 20060101

G06F-0013/38 A I R 20060101

G06F-0015/173 A I R 20060101  
 G06F-0009/445 A I R 20060101  
 H04B-0007/00 A I R 20060101  
 H04Q-0007/20 A N R 20060101  
 H04Q-0007/32 A N R 20060101  
 G06F S I R 20060101  
 G06F-0001/00 C I R 20060101  
 G06F-0013/38 C I R 20060101  
 G06F-0015/16 C I R 20060101  
 G06F-0009/445 C I R 20060101  
 H04B-0007/00 C I R 20060101  
 H04L S I R 20060101  
 H04Q-0007/20 C N R 20060101  
 H04Q-0007/32 C N R 20060101

US Classification, Issued: 701003000, 340945000, 701003000, 244001R00

File Segment: EPI;  
DWPI Class: T01; W06

Manual Codes (EPI / S-X): T01-F01B; T01-F05B2; T01-J07D1; T01-N02A2A;  
W06-B01B8

**15/5/23 (Item 19 from file: 350)**

DI ALOG(R) File 350: Derwent WPI X

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0012855007 - Drawing available  
WPI ACC NO: 2002-713736/ **200277**

XRPX Acc No: N2002-563052

**Wireless local loop system has proxy agent which communicates with customer premises servers over shared radio link, and master agent for retrieving network requested data from management information base in proxy agent**

Patent Assignee: RAVI NDRAN G (RAVI-I); SOMA NETWORKS INC (SOMA-N); VARLEY M A (VARL-I)

Inventor: RAVI NDRAN G, VARLEY M A

Patent Family (8 patents, 99 countries)

Number	Kind	Date	Application		Kind	Date	Update
			Number	Kind			
WO 2002079983	A2	20021010	WO 2002CA428	A	20020325	200277	B
CA 2342540	A1	20020929	CA 2342540	A	20010329	200279	E
EP 1410201	A2	20040421	EP 2002708101	A	20020325	200427	E
			WO 2002CA428	A	20020325		
AU 2002242556	A1	20021015	AU 2002242556	A	20020325	200432	E
US 20050076112	A1	20050407	WO 2002CA428	A	20020325	200525	E
			US 2004473342	A	20041026		
MX 2003008915	A1	20040701	WO 2002CA428	A	20020325	200545	E
			MX 20038915	A	20030929		
IN 200301758	P1	20051014	WO 2002CA428	A	20020325	200580	E
			IN 2003DN1758	A	20031028		
AU 2002242556	A8	20051013	AU 2002242556	A	20020325	200611	E

Priority Applications (no., kind, date): CA 2342540 A 20010329

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
WO 2002079983	A2	EN	20	6		

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

CA 2342540	A1	EN	PCT Application	WO 2002CA428
EP 1410201	A2	EN	Based on OPI patent	WO 2002079983

Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

AU 2002242556	A1	EN	Based on OPI patent	WO 2002079983
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US 20050076112	A1	EN	PCT Application	WO 2002CA428
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MX 2003008915	A1	ES	PCT Application	WO 2002CA428
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			Based on OPI patent	WO 2002079983
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**Alerting Abstract WO A2**

**NOVELTY** - Proxy agents (144a, 144b) at a **base station** communicate with customer premises servers in each customer premises equipment (CPE) device over shared radio link, to request information from CPE devices, transmit management data to CPE devices and maintain management information base for CPE devices. A master agent (140) **associated with base station**, retrieves network **requested** data from management information base.

**DESCRIPTION** - INDEPENDENT CLAIMS are included for the following:

1. Method of managing devices connected to network by restricted bandwidth links; and
2. System for managing devices connected to network by restricted bandwidth links

**USE - Wireless Local Loop system**

**ADVANTAGE** - The system is transparent to clients and managed objects and can be used with variety of protocols such as simple network management protocol (SNMP). The CPE servers are simple and do not require to communicate in complex protocols such as SNMP.

**DESCRIPTION OF DRAWINGS** - The figure shows the master agent, proxy agent and clients.

140 Master agent

144a, 144b Proxy agents

**Title Terms/Index Terms/Additional Words:** WIRELESS; LOCAL; LOOP; SYSTEM; AGENT; COMMUNICATE; CUSTOMER; PREMises; SERVE; SHARE; RADIO LINK; MASTER; RETRIEVAL; NETWORK; REQUEST; DATA; MANAGEMENT; INFORMATION; BASE

**Class Codes**

International Classification (Main): G06F-015/173, G06F-009/46, H04L-029/02  
(Additional / Secondary): H04Q-007/36

US Classification, Issued: 709224000

File Segment: EPI;

DWPI Class: W01

Manual Codes (EPI / S-X): W01-A06C4; W01-A06E; W01-A06F3

**15/5/24 (Item 20 from file: 350)**

DILOG(R) File 350: Derwent WPI X

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0012487230 - Drawing available  
WPI ACC NO: 2002-434398/ **200246**

XRPX Acc No: N2002-341909

Call information managing method for wireless packet data system, involves storing identifiers of mobile station and source base station controller in pointer look up table

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMEU)

Inventor: CHANG H; JANG H; KIM T; KIM T W; LEE S; LEE S W

Patent Family (4 patents, 2 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 20020041576	A1	20020411	US 2001933107	A	20010820	200246 B
KR 2002014566	A	20020225	KR 200047912	A	20000818	200258 E
KR 338661	B	20020713	KR 200047912	A	20000818	200305 E
US 6950415	B2	20050927	US 2001933107	A	20010820	200563 E

Priority Applications (no., kind, date): KR 200047912 A 20000818; US 2001933107 A 20010820

**Patent Details**

Number	Kind	Lang	Pg	Dwg	Filing Notes	
US 20020041576	A1	EN	39	23		
KR 338661	B	KO			Previously issued patent	KR 2002014566

**Alerting Abstract US A1**

**NOVELTY** - The source base station controller stores call information for packet data service in a dormant state database, on receipt of call request from the mobile station. The identifiers of mobile station and source controller are transmitted to other controllers, if the given mobile station performs transition to the dormant state. The identifiers are stored in a pointer look up table.

**DESCRIPTION** - An INDEPENDENT CLAIM is included for call information management apparatus.

**USE** - For managing location of packet call in wireless environment of wireless packet data system CDMA-2000 system WCDMA system

**ADVANTAGE** - Enables providing packet data service effectively without a separate device and modification of radio interface standard in wireless packet data system Reduces signal message transmission/reception load generated between wireless and wired stages due to call establishment.

**DESCRIPTION OF DRAWINGS** - The figure shows the state transitions in a mobile communication system

**Title Terms/Index Terms/Additional Words:** CALL; INFORMATION; MANAGE; METHOD; WIRELESS; PACKET; DATA; SYSTEM; STORAGE; IDENTIFY; MOBILE; STATUS; SOURCE; BASE; CONTROL; POINT; UP; TABLE

#### Class Codes

International Classification (Main): H04B-007/155

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04L-0012/56 A I R 20060101

H04Q-0007/22 A I R 20060101

H04Q-0007/38 A I R 20060101

H04L-0012/56 C I R 20060101

H04Q-0007/22 C I R 20060101

H04Q-0007/38 C I R 20060101

US Classification, Issued: 370331000, 370386000, 370331000, 455436000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W01-C05B3J; W02-C03C1A; W02-C03C1G

**15/5/25 (Item 21 from file: 350)**

DI A LOG(R) File 350: Derwent WPI X

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0012472131 - Drawing available

WPI ACC NO: 2002-418698/ **200245**

XRPX Acc No: N2002-329562

Mobile communication network for multimedia application, has local link through which minor node communicates with major node which in turn communicates with base station through network link

Patent Assignee: MITSUBISHI DENKI KK (MTQ); MITSUBISHI ELECTRIC INFORMATION TECHNOLOGY (MTQ); MITSUBISHI ELECTRIC RES LAB INC (MTQ)

Inventor: BAO J; ORLIK P; POON T C

Patent Family (6 patents, 28 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
EP 1195948	A2	20020410	EP 2001123643	A	20011002	200245
JP 2002165277	A	20020607	JP 2001263500	A	20010831	200253
US 7002933	B1	20060221	US 2000684407	A	20001006	200615
EP 1195948	B1	20060322	EP 2001123643	A	20011002	200622
DE 60118076	E	20060511	DE 60118076	A	20011002	200634
			EP 2001123643	A	20011002	
DE 60118076	T2	20070111	DE 60118076	A	20011002	200707
			EP 2001123643	A	20011002	

Priority Applications (no., kind, date): US 2000684407 A 20001006; EP 2001123643 A 20011002

#### Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
EP 1195948	A2	EN	11	4	

Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

JP 2002165277 A JA 41

EP 1195948 B1 EN

Regional Designated States, Original: DE FR GB

DE 60118076	E DE	Application EP 2001123643 Based on OPI patent EP 1195948
DE 60118076	T2 DE	Application EP 2001123643 Based on OPI patent EP 1195948

**Alerting Abstract EP A2**

NOVELTY - A mobile node (101) considered as the major node communicates directly with the **base station** (130) through a network link (115). A minor node (103) communicates with the major node through a local link (13) and communicates indirectly with the **base station** through the network link connected to major node.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Communication method; and
2. Mobile node.

USE - Mobile communication network for multimedia applications.

ADVANTAGE - Enables sharing of resource between the cellular phones and mobile radio communication networks. Hence, the overall efficiency and the quality of service of the mobile network are increased.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of mobile communication network.

13 Local link  
101 Major node  
103 Minor node  
115 Network link  
130 **Base station**

**Title Terms/ Index Terms/ Additional Words:** MOBILE; COMMUNICATE; NETWORK; APPLY; LOCAL; LINK; THROUGH; MINOR; NODE; MAJOR; TURN; BASE; STATION

**Class Codes**

International Classification (+ Attributes)

I PC + Level	Value	Position	Status	Version
H04B-0007/ 14	A   F	B	20060101	
H04L-0012/ 28	A   F	R	20060101	
H04L-0012/ 28	A   F	B	20060101	
H04L-0012/ 28	A   F		20060101	
H04L-0012/ 56	A   R		20060101	
H04L-0012/ 56	A   L	B	20060101	
H04L-0012/ 56	A   L		20060101	
H04L-0029/ 06	A   R		20060101	
H04Q-0007/ 38	A   L	R	20060101	
H04B-0007/ 14	C   L	B	20060101	
H04L-0012/ 28	C   F	R	20060101	
H04L-0012/ 56	C   R		20060101	
H04L-0012/ 56	C   L	B	20060101	
H04L-0029/ 06	C   R		20060101	
H04Q-0007/ 38	C   L	R	20060101	
H04L-0012/ 28	C   B		20060101	
H04L-0012/ 56	C   B		20060101	

US Classification, Issued: 370315000, 370328000, 455015000

File Segment: EPI;

DWPI Class: T01; W01; W02

Manual Codes (EPI/S-X): T01-N02A2; W01-B05A1A; W02-C03C1A

15/5/26 (Item 22 from file: 350)

DILOG(R) File 350: Derwent WPI X  
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0011168041 - Drawing available  
WPI ACC NO: 2002-105594/ **200214**

XRPX Acc No: N2002-078546

CDMA radio data communication system for providing data service to radio terminals, has Internet interface which transmits monitoring results to wire system manager in call manager through Ethernet port

Patent Assignee: RYUD (RYUD-I); SAMSUNG ELECTRONICS CO LTD (SMSU)

Inventor: RYOO D; RYU D; YOO D H

Patent Family (8 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20010046224	A1	20011129	US 2001825895	A	20010405	200214 B
AU 200138783	A	20011129	AU 200138783	A	20010423	200214 E
CN 1325212	A	200111205	CN 2001117372	A	20010423	200223 E
KR 2001107016	A	20011207	KR 200028158	A	20000524	200236 E
KR 374337	B	20030304	KR 200028158	A	20000524	200349 E
AU 767101	B	20031030	AU 200138783	A	20010423	200382 E
CN 1132383	C	20031224	CN 2001117372	A	20010423	200564 E
US 6958993	B2	20051025	US 2001825895	A	20010405	200570 E

Priority Applications (no., kind, date): KR 200028158 A 20000524; US 2001825895 A 20010405

#### Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20010046224	A1	EN	9	4	Previously issued patent KR 2001107016
KR 374337	B	KO			
AU 767101	B	EN			Previously issued patent AU 200138783

#### Alerting Abstract US A1

NOVELTY - An Internet interface (231) transmits packet data, received from a mobile terminal (50), to an Internet protocol (IP) network (131). The interface monitors the installation or removal and functional errors of a private IP exchange (201). The interface transmits monitoring results to a wire system manager in a call manager (109) through an Ethernet port.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a radio data communication method.

USE - For providing data service to radio terminals using code division multiple access system

ADVANTAGE - Eliminates need for interworking function, and reduces hardware complexity.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of network structure for radio data communication service.

50 Mobile terminal

109 Call manager

201 Private IP exchange

231 Internet interface

131 Internet protocol network

Title Terms/Index Terms/Additional Words: CDMA; RADI O; DATA; COMMUNICATE; SYSTEM; SERVICE; TERMINAL; INTERFACE; TRANSMIT; MONITOR; RESULT; WRITE; MANAGE; CALL; THROUGH; PORT

#### Class Codes

International Classification (Main): H04Q 007/30

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04M 0007/00 A I R 20060101

H04Q 0007/36 A I R 20060101

H04M 0007/00 C I R 20060101

H04Q 0007/36 C I R 20060101

US Classification, Issued: 370338000, 370349000, 370352000, 370356000, 370338000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-A03B; W01-A06E1; W01-A06G2; W01-B05; W01-B05A1A; W01-B05A1B; W02-C03C1A; W02-C03C3; W02-K02

15/5/29 (Item 25 from file: 350)

DILOG(R) File 350: Derwent WPI X  
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0010846311 - Drawing available  
WPI ACC NO: 2001-464714/ 200150

XRPX Acc No: N2001-344709

System for cellular phone communication

Patent Assignee: FUKUDA F (FUKU-I); MITSUBISHI DENKI KK (MTQ)

Inventor: FUKUDA F

Patent Family (7 patents, 22 countries)

Patent Number	Kind	Date	Application		Kind	Date	Update
			Number	Number			
WO 2001008437	A1	20010201	WO 1999JP4026	WO 19990727	A	19990727	200150 B
US 20010004590	A1	20010621	WO 1999JP4026	US 2001779614	A	19990727	200150 E
EP 1122968	A1	20010808	EP 1999931569	WO 1999JP4026	A	19990727	200152 E
CN 1315126	A	20010926	CN 1999810242	WO 1999JP4026	A	19990727	200206 E
US 6477365	B2	20021105	WO 1999JP4026	US 2001779614	A	19990727	200276 E
JP 2001513196	X	20030218	WO 1999JP4026	JP 2001513196	A	19990727	200315 E
CN 1139289	C	20040218	WO 1999JP4026	CN 1999810242	A	19960727	200572 E
					A	19990727	

Priority Applications (no., kind, date): WO 1999JP4026 A 19990727

#### Patent Details

Number	Kind	Lang	Pg	Dwg	Filing	Notes
WO 2001008437	A1	JA	28	6		
National	Designated	States, Original:			CN JP US	
Regional	Designated	States, Original:			AT BE CH CY DE DK ES FI FR GB GR IE	
IT LU MC NL PT SE						
US 20010004590	A1	EN			Continuation of application	WO
1999JP4026						
EP 1122968	A1	EN			PCT Application	WO 1999JP4026
					Based on CPO patent	WO 2001008437
Regional	Designated	States, Original:			AT BE CH CY DE DK ES FI FR GB GR IE	
IT LI LU MC NL PT SE						
CN 1315126	A	ZH			PCT Application	WO 1999JP4026
US 6477365	B2	EN			Continuation of application	WO
1999JP4026						
JP 2001513196	X	JA			PCT Application	WO 1999JP4026
					Based on CPO patent	WO 2001008437
CN 1139289	C	ZH			PCT Application	WO 1999JP4026

#### Alerting Abstract WO A1

NOVELTY - A cellular phone communication system comprises mobile stations in a control zone or service area, a radio base station that communicates with the mobile stations, and a network management device that manages the network in the control zone. Upon a request from a first mobile station, the network management device registers additional information to be added to a control signal directed to a second mobile station, and when receiving the control signal from the first mobile station through the radio base station, transmits the received control signal together with the registered additional information to the second mobile station through the radio base station. The second mobile station outputs additional information added to the control signal before sending an acknowledgement.

USE - System for cellular phone communication

DESCRIPTION OF DRAWINGS - 1a Radio base station

1b Radio base station

2 Control zone

3a Mobile station

3b Mobile station

4 Network management device

12 Transmitter

13 Receiver

14 Frequency synthesizer

15 Main control

16 Display

17 Man-machine interface

18 Internal memory

19 Memory control

20 External interface

21 Microphone

22 Speaker

31 Network control

32 Storage for additional information

**Title Terms/ Index Terms/ Additional Words:** SYSTEM; CELLULAR; TELEPHONE;  
COMMUNICATE

**Class Codes**

International Classification (Main): H04Q 007/38

International Classification (+ Attributes)

I PC + Level Value Position Status Version

H04M-0001/ 57	A	I	R	20060101
H04M-0001/ 663	A	N	R	20060101
H04M-0003/ 436	A	I	R	20060101
H04M-0003/ 53	A	N	R	20060101
H04M-0003/ 533	A	I	R	20060101
H04Q-0007/ 38	A	I	R	20060101
H04M-0001/ 57	C	I	R	20060101
H04M-0001/ 66	C	N	R	20060101
H04M-0003/ 42	C	I	R	20060101
H04M-0003/ 50	C	I	R	20060101
H04Q-0007/ 38	C	I	R	20060101

US Classification, Issued: 455415000, 455551000, 455461000, 455415000,  
455414000, 455466000, 379201010, 379201020

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI / S-X): W01-B05A1A; W02-C03C1A

**15/5/30 (Item 26 from file: 350)**

DI ALOG(R) File 350: Derwent WPI X

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0010833350 - Drawing available  
WPI ACC NO: 2001-450963/ **200148**

XRPX Acc No: N2001-333862

Mobile communication system e.g. code division multiple access system  
transmits hand-off control process request to master mobile switching  
center, if communication channel between master and other centers is  
detected

Patent Assignee: KUBOTA H (KUBO-I); NEC CORP (NI DE); NIPPON ELECTRIC CO  
(NI DE)

Inventor: KUBOTA H

Patent Family (7 patents, 4 countries)

Number	Kind	Date	Number	Application		
				Kind	Date	Update
US 20010007819	A1	20010712	US 2001754278	A	20010105	200148 B
JP 2001197539	A	20010719	JP 20003695	A	20000112	200156 E
BR 200100426	A	20010911	BR 2001426	A	20010112	200162 E
KR 2001070518	A	20010725	KR 20011723	A	20010112	200206 E
JP 3399428	B2	20030421	JP 20003695	A	20000112	200328 E
KR 366007	B	20021226	KR 20011723	A	20010112	200337 E
US 6901257	B2	20050531	US 2001754278	A	20010105	200536 E

Priority Applications (no., kind, date): JP 20003695 A 20000112; US  
2001754278 A 20010105

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20010007819	A1	EN	20	13		
JP 2001197539	A	JA	14			
BR 200100426	A	PT				
JP 3399428	B2	JA	14		Previously issued patent	JP 2001197539
KR 366007	B	KO			Previously issued patent	KR 2001070518

**Alerting Abstract US A1**

NOVELTY - The base station detects channel between master mobile switching center (MSC) (501) and another MSC (56), based on channel selection data. When channel connection is detected, a controller transmits hand-off control process request to master MSC. The hand-off control process between master MSC and another MSC, is carried out if hand-off control request is received by master MSC.

USE - E.g. code division multiple access communication system also time

division multiple access cellular system frequency division multiple access cellular system For performing hand-off control process between different cellular systems.

**ADVANTAGE** - Reduces cost of mobile communication system since it is required for only one MSC be connected to MSC in another cellular system which eliminates need for providing channels in all adjacent MSCs in different cellular systems for hand-off control process.

**DESCRIPTION OF DRAWINGS** - The figure shows the block diagram of mobile communication system

501 Master mobile switching center  
56 Mobile switching center

**Title Terms/Index Terms/Additional Words:** MOBILE; COMMUNICATE; SYSTEM; CODE; DIVIDE; MULTIPLE; ACCESS; TRANSMIT; HAND; CONTROL; PROCESS; REQUEST; MASTER; SWITCH; CHANNEL; DETECT

#### Class Codes

International Classification (Main): H04B-007/26

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04Q-0007/22 A I F R 20060101  
H04Q-0007/28 A I L R 20060101  
H04Q-0007/38 A I R 20060101  
H04Q-0007/22 C I F R 20060101  
H04Q-0007/28 C I L R 20060101  
H04Q-0007/38 C I R 20060101

US Classification, Issued: 455439000, 455436000, 455439000, 455426000,  
455436000, 455439000, 455443000, 455442000, 370252000, 370253000,  
370331000, 370332000, 370412000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI / S-X): W01-B05A1A; W02-C03C1A; W02-C03C1D; W02-K01;  
W02-K05A7; W02-K05B1

**15/5/32 (Item 28 from file: 350)**

DI ALOG(R) File 350: Derwent WPI X

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0010796689 - Drawing available

WPI ACC NO: 2001-412601/ **200144**

Related WPI Acc No: 2008-A39728

XRPX Acc No: N2001-305239

Mobile station for CDMA based mobile communication system sets cut-off time for power supply to receiver, if confirmation signal is not received within preset time of local registration demand transmission

Patent Assignee: TOSHIBA KK (TCKE); ENOKI M (ENOKI); KAWABATA K (KAWA-1)

Inventor: ENOKI M; KAWABATA S; KAWABATA K

Patent Family (3 patents, 2 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
JP 2001102990	A	20010413	JP 1999275514	A	19990929	200144 B
US 7289832	B1	20071030	US 2000664855	A	20000919	200772 E
US 20070263555	A1	20071115	US 2000664855	A	20000919	200777 E
			US 2007780947	A	20070720	

Priority Applications (no., kind, date): JP 1999275514 A 19990929

#### Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
JP 2001102990	A	JA	7	6	
US 20070263555	A1	EN			Continuation of application US 2000664855

#### Alerting Abstract JPA

**NOVELTY** - Transmitter transmits location registration demand signal to base station, in response to which receiver receives confirmation signal. If confirmation signal is not received within preset time of demand transmission, a controller (20) sets cut-off time for power supply to receiver.

USE - For CDMA based mobile communication system

ADVANTAGE - Power supply consumption is reduced, since entire operation is not repeated, if confirmation signal for demand is not received within preset time.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of mobile communication system (Drawing includes non-English language text).

20 Controller

Title Terms/Index Terms/Additional Words: MOBILE; STATION; CDMA; BASED; COMMUNICATE; SYSTEM SET; CUT; TIME; POWER; SUPPLY; RECEIve; CONFIRM; SIGNAL; PRESET; LOCAL; REGISTER; DEMAND; TRANSMISSION

### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04B-0001/38 A I F B 20060101

H04B-0007/26 A I F R 20060101

H04Q-0007/24 A I F B 20060101

H04B-0001/38 C I F B 20060101

H04B-0007/26 C I F R 20060101

H04Q-0007/24 C I F B 20060101

US Classification, Issued: 370311000, 455574000, 455572000, 455343100, 455343200

File Segment: EPI;

DWPI Class: W02

Manual Codes (EPI / S-X): W02-C03C3C

15/5/34 (Item 30 from file: 350)

DI ALOG(R) File 350: Derwent WPI X

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0010555594 - Drawing available

WPI ACC NO: 2001-159199/ 200116

Related WPI Acc No: 2005-251607

XRPX Acc No: N2001-116044

Slot allocation method in communication link in cellular communication system involves assigning remote terminals in preset sequence to base station radio based on bandwidth ratio of remote terminal

Patent Assignee: TELEFONAKTI EBOLAGET ERICSSON L M (TELF)

Inventor: HAARTSEN J; HAARTSEN J C

Patent Family (9 patents, 91 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
WO 2001001716	A1	20010104	WO 2000EP5299	A	20000608	200116 B
AU 200056790	A	20010131	AU 200056790	A	20000608	200124 E
BR 200011896	A	20020326	BR 200011896	A	20000608	200229 E
			WO 2000EP5299	A	20000608	
EP 1190589	A1	20020327	EP 2000942030	A	20000608	200229 E
			WO 2000EP5299	A	20000608	
CN 1371582	A	20020925	CN 2000812024	A	20000608	200305 E
JP 2003503919	W	20030128	WO 2000EP5299	A	20000608	200309 E
			JP 2001506258	A	20000608	
US 6650630	B1	20031118	US 1999340268	A	19990625	200376 E
EP 1190589	B1	20050112	EP 2000942030	A	20000608	200505 E
			WO 2000EP5299	A	20000608	
DE 60017402	E	20050217	DE 60017402	A	20000608	200514 E
			EP 2000942030	A	20000608	
			WO 2000EP5299	A	20000608	

Priority Applications (no., kind, date): US 1999340268 A 19990625

### Patent Details

Number Kind Lan Pg Dwg Filing Notes

WO 2001001716 A1 EN 50 14

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL QA PT SD SE SL SZ TZ UG ZW

AU 200056790	A EN	Based on OPI patent WO 2001001716
BR 200011896	A PT	PCT Application WO 2000EP5299
		Based on OPI patent WO 2001001716
EP 1190589	A1 EN	PCT Application WO 2000EP5299
		Based on OPI patent WO 2001001716
Regional Designated States, Original : IE IT LI LT LU LV MC MK NL PT RO SE SI	AL AT BE CH CY DE DK ES FI FR GB GR	
JP 2003503919	W JA 64	PCT Application WO 2000EP5299
		Based on OPI patent WO 2001001716
EP 1190589	B1 EN	PCT Application WO 2000EP5299
		Based on OPI patent WO 2001001716
Regional Designated States, Original : IT LI LU MC NL PT SE	AT BE CH CY DE DK ES FI FR GB GR IE	
DE 60017402	E DE	Application EP 2000942030
		PCT Application WO 2000EP5299
		Based on OPI patent EP 1190589
		Based on OPI patent WO 2001001716

#### **Alerting Abstract WO A1**

**NOVELTY** - Remote terminals are sequentially assigned to available **base station** radio in descending order based upon respective remote terminals required bandwidth ratio. The remaining remote terminals are assigned to the **base station** radio in reverse sequence in descending order based upon respective remote terminal's required bandwidth ratio.

**DESCRIPTION** - An INDEPENDENT CLAIM is also included for communication system

**USE** - For use in time division duplex communication system such as cellular radio telephone system global system for mobile communication (GSM), digital advanced mobile phone system (D-AMPS), personal digital cellular (PDC) system and also for licensed spectrum cellular communication system in office, residence, exhibition halls, etc., and in school campus, office parks, etc., and also for unlicensed spectrum mobile communication system such as digital European cordless telephone (DECT) system personal handyphone system and wireless local area computer network (WLAN).

**ADVANTAGE** - Provides efficient data service by assigning and reassigning time slots on carrier signals to users according to user's needs.

**DESCRIPTION OF DRAWINGS** - The figure shows the flowchart illustrating slot allocation method.

**Title Terms/Index Terms/Additional Words:** SLOT; ALLOCATE; METHOD; COMMUNICATE; LINK; CELLULAR; SYSTEM; ASSIGN; REMOTE; TERMINAL; PRESET; SEQUENCE; BASE; STATUS; RADIO; BASED; BANDWIDTH; RATIO

#### **Class Codes**

International Classification (Main): H04Q 007/36, H04Q 007/38

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04J-0003/00	A   F R	20060101
H04L-0012/28	A   R	20060101
H04L-0012/56	A   R	20060101
H04M-0003/00	A   L R	20060101
H04Q-0007/36	A   L R	20060101
H04Q-0007/38	A   R	20060101
H04J-0003/00	C   F R	20060101
H04L-0012/28	C   R	20060101
H04L-0012/56	C   R	20060101
H04M-0003/00	C   L R	20060101
H04Q-0007/36	C   L R	20060101
H04Q-0007/38	C   R	20060101

US Classification, Issued: 370345000, 455067100, 370331000, 375131000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A

**15/5/43 (Item 39 from file: 350)**

DILOG(R) File 350: Derwent WPI X

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0008138021 - Drawing available

WPI ACC NO: 1997-238503/ **199722**

XRPX Acc No: N1997-197030

Base station system which is suited for micro-cells for vehicle telephones, portable telephones etc. - has internal bus connecting terminal section and transceivers that perform control and management function for data to be transferred, and controller connection system

Patent Assignee: ASTRONET CORP (ASTR-N); M TSUBISHI DENKI KK (MTQ); M TSUBISHI ELECTRIC CORP (MTQ); M TSUBISHI WIRELESS COMMUNICATIONS INC (MTS-N)

Inventor: HARADA N; MATSUMOTO S; MATSUYAMA H; MATSUYAMA K; M CHAEL; ROBERTS R; ROBERTS R U; ROBIN; SOEANBURG M; SPEANBURG M H

Patent Family (10 patents, 7 countries)

Patent Number	Kind	Date	Number	Kind	Date	Update
EP 771127	A2	19970502	EP 1996115834	A	19961002	199722 B
JP 9102977	A	19970415	JP 1995256545	A	19951003	199725 E
CA 2186940	A	19970404	CA 2186940	A	19961001	199731 E
US 5898683	A	19990427	US 1996724912	A	19961002	199924 E
CA 2186940	C	20000502	CA 2186940	A	19961001	200037 E
CN 1151673	A	19970611	CN 1996122416	A	19961003	200132 E
EP 771127	B1	20030108	EP 1996115834	A	19961002	200304 E
PH 1199654433	B1	20000629	PH 199654433	A	19961002	200309 E
DE 69625667	E	20030213	DE 69625667	A	19961002	200320 E
			EP 1996115834	A	19961002	
CN 1097992	C	20030101	CN 1996122416	A	19961003	200532 E

Priority Applications (no., kind, date): JP 1995256545 A 19951003; EP 1996115834 A 19961002

#### Patent Details

Number	Kind	Lang	Pg	Dwg	Filing	Notes
EP 771127	A2	EN	18	9		
Regional Designated		States, Original:			DE FR GB	
JP 9102977	A	JA	11			
CA 2186940	A	EN				
CA 2186940	C	EN				
EP 771127	B1	EN				
Regional Designated		States, Original:			DE FR GB	
PH 1199654433	B1	EN				
DE 69625667	E	DE			Application EP 1996115834 Based on CPI patent EP 771127	

#### Alerting Abstract EP A2

The base station system comprises at least one base station having a radio communication processing function for carrying out radio communication with mobile stations. A base station controller operates the base station, and has a line communication processing function for setting network communication.

The base station has at least one transceiver that performs control and management of information to be transmitted or received. A radio frequency distribution and combining device allows radio communication of information between the transceiver and the base stations. A communication device performs a communication access with the base station controller, and an internal bus connects the transceiver and the communication device. An integrative controller performs integrative control of the radio communication processing.

ADVANTAGE - Control functions are distributed and minimises amount of communication between base station and base station controller.

33/5/1 (Item 1 from file: 350)

DI ALOG(R) File 350: Derwent WPI X  
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0017226830 - Drawing available  
WPI ACC NO: 2008-A47260/200803

Related WPI Acc No: 2005-179341; 2006-262610; 2006-329600; 2007-827317;  
2007-842462

XRPX Acc No: N2008-036201

**M u l t i p l e v i r t u a l l o c a l a r e a n e t w o r k s i d e n t i f y i n g a n d g r o u p i n g a p p a r a t u s f o r e.g. p r o c e s s i n g o f m u l t i c a s t d a t a, h a s a c c e s s p o i n t t o w i r e l e s s l y c o m m u n i c a t e w i t h m o b i l e n o d e f o r e n a b l i n g n o d e t o c o m m u n i c a t e w i t h a s s o c i a t e d n e t w o r k**

Patent Assignee: HALASZ D (HALA-I); MEIER R (MEI E-I)

Inventor: HALASZ D; MEIER R

Patent Family (1 patent(s), 1 countries)

Patent Number	Kind	Date	Number	Kind	Date	Update
US 20070286108	A1	20071213	US 2000252717	P	20001122	200803 B
			US 2001953820	A	20010912	
			US 2003701851	A	20031105	
			US 2007840781	A	20070817	

Priority Applications (no., kind, date): US 2000252717 P 20001122; US 2001953820 A 20010912; US 2003701851 A 20031105; US 2007840781 A 20070817

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20070286108	A1	EN	9	2	Related to Provisional US 2000252717
					C-I-P of application US 2001953820
					Continuation of application US 2003701851

C-I-P of patent US 7251232

#### Alerting Abstract US A1

NOVELTY - The apparatus has an ~802 . 11~ access point to wirelessly communicate with a mobile node for enabling the mobile node to communicate with an associated network. The access point groups a group of virtual local area networks (VLANs) (165, 170, 175) into a single ~802 . 11~ multicast domain e.g. Internet protocol (IP) multicast domain (180). The access point assigns a mobile node belonging to one of the VLANs to the single multicast domain. The access point intercepts an Internet group management protocol (IGMP) report transmitted by the mobile node.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a method comprising grouping virtual local area networks (VLANs) into a single multicast domain.

USE - Used for identifying and grouping multiple virtual local area networks (VLANs) into a single ~802 . 11~ multicast domain e.g. Internet protocol (IP) multicast domain for wireless networking and processing of multicast data.

ADVANTAGE - The apparatus identifies and groups the multiple virtual local area networks (VLANs) into the single multicast domain, so that a different set of multicast keys is used for each multicast domain without consuming the bandwidth for useless multicast transmissions, thus preventing useful multicast frames to be discarded. The apparatus enables unicast transmissions not to be delayed for the duration of the multicast delivery period, so that power-save stations do not awake, for the duration of the multicast delivery period, to receive multicast transmissions, thus preventing the battery life from being reduced in the power-save stations.

DESCRIPTION OF DRAWINGS - The drawing shows a network block diagram of a device to facilitate a multicast transmission to a number of wireless clients associated with multiple virtual local area networks (VLANs).

100 Multiple VLANs identifying and grouping system

140 Wireless network

160 Wired network

165, 170, 175 VLANs

180 Internet protocol (IP) multicast domain

Title Terms/Index Terms/Additional Words: MULTIPLE; VIRTUAL; LOCAL; AREA; NETWORK; IDENTIFY; GROUP; APPARATUS; PROCESS; DATA; ACCESS; POINT;

COMMUNICATE; MOBILE; NODE; ENABLE; ASSOCIATE

#### Class Codes

International Classification (+ Attributes)

I PC + Level Value Position Status Version

H04H-0001/00 A | F B 20060101

H04H-0001/00 C | B 20060101

US Classification, Issued: 370312000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI / S-X): T01-C07C3; T01-N01D5; W01-A06B5A; W01-A06B7G;  
W01-A06C4; W01-A06C4E; W01-A06E1A; W01-A06F2A

#### 33/5/2 (Item 2 from file: 350)

DI ALOG(R) File 350: Derwent WPI X

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0017110985 - Drawing available

WPI ACC NO: 2007-825936/200777

Related WPI Acc No: 2006-453004; 2008-A96739

XPPX Acc No: N2007-656583

Communications network e.g. local area network, for e.g. transmitting e.g. audio signal, has base station configured to communicate bi-directionally with personal communication systems to be carried by respective firefighters

Patent Assignee: STI LICENSING CORP (STI L-N)

Inventor: BARBEE WM LANDIS J L; MALIN N J R; PARKULO C M SHANNON M

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 7263379	B1	20070828	US 2002436038	P	20021223	200777 B
			US 2003744901	A	20031223	

Priority Applications (no., kind, date): US 2002436038 P 20021223; US 2003744901 A 20031223

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes	Related to Provisional	US 2002436038
US 7263379	B1	EN	27	15	Relat ed to Provisional		US 2002436038

#### Alerting Abstract US B1

NOVELTY - The network has a base station configured to communicate bi-directionally with personal communication systems (PCS) (15) to be carried by respective firefighters. The systems include an onboard data gathering device and a wireless transceiver that is configured to communicate with one another over a peer to peer mesh network. The data gathering device collects personal alarm safety system (PASS) data from a PASS system. The transceiver in one of the PCS broadcasts the PASS data to the other PCS. The transceiver in the latter PCS broadcasts the PASS data to the base station.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. a method for providing a communications network
2. a method of communicating multimedia data from a personal communication system
3. a personal communication system to be carried by a firefighter in a hazardous environment.

USE - Communications network e.g. local area network, wide area network and internet, used in a personal multimedia communication system for an emergency personnel (claimed) e.g. firefighter, for collecting, displaying, wirelessly transmitting and wirelessly receiving multimedia data e.g. audio signal, video signal or data, positional data, biometric data, environmental data, self-contained breathing apparatus (SCBA) status, in a hazardous environment such as firefighting environment.

ADVANTAGE - The network effectively correlates audio signals, video signals or data, positional data, biometric data, environmental data, SCBA status information, from the firefighter.

**DESCRIPTION OF DRAWINGS** - The drawing shows a block representation of a personal multi media communication system and network.

- 15 Personal communication systems
- 65 Global positioning system (GPS) unit
- 68 Global positioning system (GPS) satellite constellation
- 70 Local area network
- 80 Wide area network
- 104 Air tank

**Title Terms/Index Terms/Additional Words:** COMMUNICATE; NETWORK; LOCAL; AREA; TRANSMIT; AUDIO; SIGNAL; BASE; STATION; CONFIGURATION; BI; DIRECT; PERSON; SYSTEM; CARRY; RESPECTIVE

#### **Class Codes**

International Classification (+ Attributes)  
IPC + Level Value Position Status Version

H04Q 0007/20 A I F B 20060101  
H04Q 0007/20 C I F B 20060101

US Classification, Issued: 455521000, 455404100, 455404200, 455557000,  
709238000, 709243000, 370238000, 370254000, 370351000, 340501000,  
340506000, 340532000, 340539130, 340539170, 340539220, 340539270,  
340586000, 340870170

File Segment: EPI;

DWPI Class: W01

Manual Codes (EPI / S-X): W01-A06B4C; W01-A06B5A; W01-A06B8C; W01-A06C4

#### **33/5/3 (Item 3 from file: 350)**

DI ALOG(R) File 350: Derwent WPI X  
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0016866830 - Drawing available  
WPI ACC NO: 2007-581891/200756

XRPX Acc No: N2007-448692

Association method for maintaining portable unit in wireless communication with cable, involves re-initiating association process by portable device when throughput falls below user selected minimum acceptable threshold

Patent Assignee: CISCO TECHNOLOGY INC (CISCO-N)

Inventor: STRATEGIKUS J G

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 7230920	B1	20070612	US 2001953139	A	20010914	200756 B

Priority Applications (no., kind, date): US 2001953139 A 20010914

#### **Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 7230920	B1	EN	9	3	

#### **Alerting Abstract** US B1

NOVELTY - The method involves establishing an association between a portable unit and one of the access points with an association process. The association process is re-initiated by the portable device when throughput falls below a minimum acceptable threshold. The minimum acceptable threshold is user selected.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. a system for wireless local area network communication for placing a portable unit in communication with a cable of a network; and
2. an apparatus for optimizing throughput using response time as a metric.

USE - Use for associating a portable unit by placing and maintaining the portable unit in wireless communication with the cable for transfer of packets via cable to and from the portable unit.

ADVANTAGE - Optimizes the throughput of individual access points by measuring the response time of packets and establishing and maintaining an association with a new or existing client based on response time. Maintains

optimized throughput when an access point is confronted with an external source of radio frequency interference and when the throughput associated with an access point falls below a certain threshold limit.

DESCRIPTION OF DRAWINGS - The figure shows the explanatory diagram of a network comprising access points coupled to a cable by radio links for transmission of data in packet form

10 Cable

A Access point

**Title Terms/Index Terms/Additional Words:** ASSOCIATE; METHOD; MAINTAIN; PORTABLE; UNIT; WIRELESS; COMMUNICATE; CABLE; INTERFACE; PROCESS; DEVICE; THROUGHPUT; FALL; BELOW; USER; SELECT; MINIMUM; ACCEPT; THRESHOLD

### Class Codes

International Classification (+ Attributes)  
IPC + Level Value Position Status Version

G06F-0015/173 A I L B 20060101  
H04L-0012/26 A I F B 20060101  
H04Q-0007/20 A I L B 20060101  
H04Q-0007/24 A I L B 20060101  
G06F-0015/16 C I B 20060101  
H04L-0012/26 C I B 20060101  
H04Q-0007/20 C I B 20060101  
H04Q-0007/24 C I B 20060101

US Classification, Issued: 370230000, 370332000, 370338000, 455453000, 709225000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-N01D; T01-N02A2; W01-A03B; W01-A06A; W01-A06G2

### 33/5/11 (Item 11 from file: 350)

DI ALOG(R) File 350: Derwent WPI X  
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0014750745 - Drawing available  
WPI ACC NO: 2005-098376/200511

XRPX Acc No: N2005-085281

Wireless mobile network e.g. code division multiple access network has base stations that translate dynamic internet protocol addresses of received packet to permanent IP addresses of associated destination of mobile hosts

Patent Assignee: UT STARCOM INC (UTST-N)

Inventor: ZHANG G

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Number	Kind	Date	Update
US 6845094	B1	20050118	US 1999171247	P	19991216	200511 B
			US 2000210336	P	20000607	
			US 2000739055	A	20001215	

Priority Applications (no., kind, date): US 2000210336 P 20000607; US 1999171247 P 19991216; US 2000739055 A 20001215

### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes	Relat ed to Provisional	US 1999171247	Relat ed to Provisional	US 2000210336
US 6845094	B1	EN	14	4					

### Alerting Abstract US B1

NOVELTY - The base stations have associated coverage area with dynamic internet protocol (IP) address space to communicate with mobile hosts. The base station receive packets with dynamic IP address of an associated destination of mobile hosts, through a backbone and translate the dynamic IP addresses to permanent IP addresses of the associated destination of the mobile hosts.

USE - Wireless mobile network e.g. cellular digital packet data (CDPD) network, code division multiple access (CDMA) network, global system for mobile communication (GSM) network, and time division multiple access (TDMA) network.

ADVANTAGE - The dynamic IP address space is used to address mobile hosts thereby facilitating mobility management of the mobile host. Enables the

mobile host to continue session such as downloading email or file transfer without interruption, when host moves from one subnet to another. Avoids requirement of excessive computing power for rerouting the packet from home address to temporary address.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of fully IP enabled end-to-end wireless mobile network system  
100 wireless mobile network system

Title Terms/Index Terms/Additional Words: WIRELESS; MOBILE; NETWORK; CODE; DEVICE; MULTIPLE; ACCESS; BASE; STATUS; TRANSLATION; DYNAMIC; PROTOCOL; ADDRESS; RECEIVE; PACKET; PERMANENT; IP; ASSOCIATE; DESTINATION; HOST

### Class Codes

International Classification (Main): H04J-003/24  
US Classification, Issued: 370349000, 370389000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-N02A1A; W01-A03B; W01-A06F2A; W01-A06F3;  
W01-A06G2

33/5/12 (Item 12 from file: 350)

DI ALOG(R) File 350: Derwent WPI X

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0014638264 - Drawing available

WPI ACC NO: 2004-820263/200481

XRPX Acc No: N2004-647509

Wide area network access point evaluating method for use by e.g. development engineer, involves transmitting performance evaluation data from virtual station to access point under test and recovering performance data from point

Patent Assignee: ROSEN D (ROSE-I); SCLAVON B (SOLO-I); IXIA (IXIA-N)

Inventor: ROSEN D; SCLAVON B

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Number	Kind	Date	Update
US 20040214564	A1	20041028	US 2003424161	A	20030425	200481 B
US 7277395	B2	20071002	US 2002376174	P	20020425	200765 E
			US 2003424161	A	20030425	

Priority Applications (no., kind, date): US 2002376174 P 20020425; US 2003424161 A 20030425

### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20040214564	A1	EN	6	3	
US 7277395	B2	EN			Related to Provisional US 2002376174

### Alerting Abstract US A1

NOVELTY - The method involves creating a virtual station for a wide area network access point under test (28). Performance evaluation data is transmitted from the virtual station to the access point. The performance data is recovered from the access point and stored in a log and statistics file (30). A virtual station creating mechanism is employed to create a differential virtual station for association with the access point.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a test environment for evaluating a local area network.

USE - Used for evaluating a wireless local area network access point by a development engineer, network administrator and network testing organization.

ADVANTAGE - The method efficiently provides variable and realistic network load conditions, and allows the network builders to quickly determine the efficiency and capacity of the access point under test. The method makes the network configuration adjustments to optimize overall performance of the network.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram illustrating internal functional units of a load emulator and connections of the load emulator to a command and report computer and to an access point under test.

24 Load emulator  
 28 Access point under test  
 32 Input/output controller  
 36 Log and statistics file

**Title Terms/ Index Terms/ Additional Words:** WDE; AREA; NETWORK; ACCESS; POINT; EVALUATE; METHOD; DEVELOP; ENGINEERING; TRANSMIT; PERFORMANCE; DATA; VIRTUAL; STATUS; TEST; RECOVER

#### Class Codes

International Classification (+ Attributes)

I PC + Level Value Position Status Version

H04L-0012/28	A	N	R	20060101	
H04Q-0007/34	A	I	R	20060101	
H04J-0001/16	A	I	F	B	20060101
H04L-0012/28	C	N	R	20060101	
H04Q-0007/34	C	I	R	20060101	
H04J-0001/00	C	I		B	20060101

US Classification, Issued: 455041200, 455423000, 370241000, 370252000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-C03C; T01-J15H; W01-A06A; W01-A06B5A; W01-A06C4; W01-A06D; W01-A06E

**33/5/21 (Item 21 from file: 350)**

DIALOG(R) File 350: Derwent WPI X

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0013988324 - Drawing available  
WPI ACC NO: 2004-169384/200416

Related WPI Acc No: 2005-271703; 2005-725008

XRPX Acc No: N2004-135085

Wireless station associating method for differentiating network access of wireless LAN users, involves associating access parameters configured for virtual LAN or proxy mobile IP host with access points service set identifiers

Patent Assignee: CISCO TECHNOLOGY INC (CISCO-N); GRI SWOLD V J (GRI S-I); MEIER R C (MEI E-I); NELAKANTI B (NELA-I); OLSON T (OLSO-I); YANG S (YANG-I)

Inventor: GRI SWOLD V; GRI SWOLD V J; MEIER R; MEIER R C; NELAKANTI B; OLSON T; OLSON T J; YANG S

Patent Family (5 patents, 102 countries)

Patent Number	Kind	Date	Number	Kind	Date	Update
WO 2004013986	A1	20040212	WO 2003US22982	A	20030724	200416 B
AU 2003254133	A1	20040223	AU 2003254133	A	20030724	200453 E
EP 1529352	A1	20050511	EP 2003766889	A	20030724	200531 E
US 20050185626	A1	20050825	WO 2003US22982	A	20030724	
			US 2002212193	A	20020802	200556 E
US 6950628	B1	20050927	US 2005106943	A	20050415	
			US 2002212193	A	20020802	200563 E

Priority Applications (no., kind, date): US 2002212193 A 20020802; US 2005106943 A 20050415

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
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WO 2004013986	A1	EN	29	5	
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National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Regional Designated States, Original: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003254133	A1	EN	Based on OPI patent WO 2004013986
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EP 1529352	A1	EN	PCT Application WO 2003US22982
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			Based on OPI patent WO 2004013986
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Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI

FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR  
US 20050185626 A1 EN Continuation of application US  
2002212193

#### Alerting Abstract WO A1

NOVELTY - The method involves receiving a message comprising a service set identifier from a **wireless** station and associating the **wireless** station to a service set defining a set of network access parameter values. The access parameter values are then **configured** at an **access point** (102) for either virtual LAN (112, 114) or proxy mobile IP host (116, 118) and associated with each of the access points service set identifiers.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. a computer-readable medium with instructions for associating 802.11 access point with 802.11 wireless station
2. an access point
3. an 802.11 network.

USE - Used for differentiating network access for different classes of **wireless** LAN users.

ADVANTAGE - The method enables a **wireless** station to change its service set without requiring changes to its remote authentication dial-in user server configuration.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram representing the relationship between an access point, service set identifier and a virtual LAN or proxy mobile IP host.

102 Access point

112, 114 Virtual LAN

116, 118 Proxy mobile IP host

**Title Terms/Index Terms/Additional Words:** **WIRELESS**; STATION; ASSOCIATE; METHOD; DIFFERENTIAL; NETWORK; ACCESS; LAN; USER; PARAMETER; CONFIGURATION; VIRTUAL; MOBILE; IP; HOST; POINT; SERVICE; SET; IDENTIFY

#### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04L-0012/28 A I R 20060101

H04L-0012/46 A I R 20060101

H04L-0029/06 A I R 20060101

H04L-0012/28 C I R 20060101

H04L-0012/46 C I R 20060101

H04L-0029/06 C I R 20060101

US Classification, Issued: 370338000, 455041200, 455041100, 455461000, 455414100, 455418000, 455417000, 455456400, 340007100, 340870020, 342357100, 342357060, 342357130

File Segment: EPI;

WPI Class: W01

Manual Codes (EPI / S-X): W01-A06B5A; W01-A06C4; W01-A06E1

33/5/27 (Item 27 from file: 350)

DIALOG(R) File 350: Derwent WPI X

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0013776811 - Drawing available

WPI ACC NO: 2003-876141/200381

XRPX Acc No: N2003-699659

Wireless access providing method for mobile communication system involves reporting parameters that affect management of high speed shared radio channel to radio resource controller to utilize resources

Patent Assignee: AMRIJOOS (AMR-I); BEMNGP (BEM-I); ENGLUND E (ENGL-I); KARLSSON P (KARL-I); PARKVALL S (PARK-I); TELEFONAKTIEBOLAGET ERIKSSON L M (TELF); VAN LI ESHOUT G (VLE-E-I); WBERGN (WBE-I)

Inventor: AMRIJOOS; BEMNGP; ENGLUND E; KARLSSON P; PARKVALL S; VAN LI ESHOUT G; WBERGN

Patent Family (6 patents, 102 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
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US 20030210660	A1	20031113	US 2003371199	A	20030224	200381	B
WO 2003096571	A1	20031120	WO 2003SE694	A	20030429	200403	E
AU 2003224581	A1	20031111	AU 2003224581	A	20030429	200442	E
EP 1504545	A1	20050209	EP 2003721255	A	20030429	200512	E
			WO 2003SE694	A	20030429		
JP 2005525743	W	20050825	WO 2003SE694	A	20030429	200560	E
			JP 2004504415	A	20030429		
CN 1653718	A	20050810	CN 2003810911	A	20030429	200572	E

Priority Applications (no., kind, date): SE 20021467 A 20020513; SE 20022845 A 20020923; US 2003371199 A 20030224

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20030210660	A1	EN	20	14		
WO 2003096571	A1	EN				

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Regional Designated States, Original: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003224581	A1	EN	Based on OPI patent	WO 2003096571
EP 1504545	A1	EN	PCT Application	WO 2003SE694

			Based on OPI patent	WO 2003096571
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Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR JP 2005525743 W JA 25 PCT Application

			WO 2003SE694
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			Based on OPI patent	WO 2003096571
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#### Alerting Abstract US A1

NOVELTY - The method involves measuring one or more parameters that affect the management of a high-speed shared radio channel in a radio base station. The station reports the parameters to a radio resource controller that utilizes the parameters to implement the resources associated with the channel. A detector measures transmission power to regulate a power level associated with the radio channel.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a radio base station for use in a mobile communication network.

USE - Used in mobile communication system based on wideband code divisional multiple access radio access (WCDMA).

ADVANTAGE - The method enables efficient radio resource management without excessive signalling by accounting for the specific characteristics of a particular type of channel. The method allows a radio resource manager to perform a better control over cell congestion, admit new users to the cell, block new users or drop the existing users. The method also helps the controller to ensure that the high-speed channel has enough resources to fulfill its job. The method provides proper code allocation to a high-speed shared channel to ensure optimal performance of the channel without under-utilizing or wasting radio resources.

DESCRIPTION OF DRAWINGS - The drawing shows a code tree of the mobile communication system that is based on WCDMA.

Title Terms/Index Terms/Additional Words: WIRELESS; ACCESS; METHOD; MOBILE; COMMUNICATE; SYSTEM; REPORT; PARAMETER; AFFECT; MANAGEMENT; HIGH-SPEED; SHARE; RADIO CHANNEL; RESOURCE; CONTROL; UTILISE

#### Class Codes

International Classification (Main): H04Q 007/38

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04B-0007/26	A	I	F	R	20060101
H04L-0012/56	A	I		R	20060101
H04Q-0007/30	A	I		R	20060101
H04Q-0007/30	A	N		R	20060101
H04Q-0007/38	A	I	L	R	20060101
H04Q-0007/38	A	I		R	20060101
H04B-0007/26	C	I	F	R	20060101
H04L-0012/56	C	I		R	20060101
H04Q-0007/30	C	I		R	20060101

H04Q 0007/30 C N R 20060101  
H04Q 0007/38 C I L R 20060101  
H04Q 0007/38 C I R 20060101  
US Classification, Issued: 370320000

File Segment: EPI;  
DWPI Class: W01; W02  
Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A; W02-C03C1G; W02-C03E3;  
W02-G03J1

**33/5/34 (Item 34 from file: 350)**  
DIALOG(R) File 350: Derwent WPI X  
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0013566510 - Drawing available  
WPI ACC NO: 2003-660784/200362  
Related WPI Acc No: 2003-395155; 2003-395156; 2003-395157; 2003-493691;  
2003-659817; 2003-659818; 2006-379786  
XRPX Acc No: N2003-527070

**Wireless telecommunication system outputs selected parameters to beam formers of base stations having transmission ranges that encompass estimated locations**

Patent Assignee: INTERDIGITAL TECHNOLOGY CORP (INTE-N)

Inventor: CHITRAPU P R

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Number	Kind	Date	Update
US 20030119559	A1	20030626	US 2001334226	P	20011129	200362 B
			US 2001334309	P	20011129	
			US 2001334369	P	20011129	
			US 2002305740	A	20021127	
US 7016702	B2	20060321	US 2002305740	A	20021127	200621 E

Priority Applications (no., kind, date): US 2001334369 P 20011129; US 2001334309 P 20011129; US 2001334226 P 20011129; US 2002305740 A 20021127

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes	US 2001334226	US 2001334309	US 2001334369
US 20030119559	A1	EN	21	11	Related to Provisional			
					Relat ed to Provisional			
					Relat ed to Provisional			

#### Alerting Abstract US A1

NOVELTY - A network interface interconnecting base stations (BS1, BS2) and geolocation processors are configured to divide selected user equipment (UEs) (UE1-UE10) into groups, based on quality of service and data rate requirement of communication data. The processors outputs selected parameters to beam formers of base stations having transmission ranges that encompass estimated locations, such that the selected base station transmit communication data for each UE.

DESCRIPTION - An INDEPENDENT CLAIM is also included for method of selectively directing base station communication signals.

#### USE - Wireless telecommunication system

ADVANTAGE - Increases capacity and efficiency of the communication system

DESCRIPTION OF DRAWINGS - The figure shows the wireless telecommunication system  
BS1, BS2 base stations  
UE1-UE10 user equipment

Title Terms/Index Terms/Additional Words: WIRELESS; TELECOMMUNICATION; SYSTEM; OUTPUT; SELECT; PARAMETER; BEAM; FORMER; BASE; STATION; TRANSMISSION; RANGE; ENCOMPASSING; ESTIMATE; LOCATE

#### Class Codes

International Classification (Main): H04Q 007/20

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04B-0001/38 A I F B 20060101

US Classification, Issued: 455562000, 455456000, 342357100, 455562100,

455561000, 455440000

File Segment: EPI;  
DWPI Class: W01; W02  
Manual Codes (EPI / S-X): W01-B05A1A; W02-B06B; W02-C03C1A; W02-C03C1B

33/5/36 (Item 36 from file: 350)  
DIALOG(R) File 350: Derwent WPI X  
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0013535296  
WPI ACC NO: 2003-628819/200360  
Related WPI Acc No: 2003-628810; 2003-628811; 2003-628817; 2003-628818;  
2003-637924  
XPPX Acc No: N2003-500477  
Radio local area network (RLAN) with radio access network internet protocol  
(RAN-IP) gateway with authenticating, authorizing and break-off (AAA)  
function and core network (CN)  
Patent Assignee: INTERDIGITAL TECHNOLOGY CORP (INTE-N)  
Inventor: CHITRAPU P R; HUNKELER T J; MENON N P  
Patent Family (4 patents, 3 countries)  
Patent Application  
Number Kind Date Number Kind Date Update  
DE 20304817 U1 20030807 DE 20304817 U 20030325 200360 B  
US 20030185177 A1 20031002 US 2002367945 P 20020326 200372 E  
US 2002367946 P 20020326  
US 2002367948 P 20020326  
US 2002367949 P 20020326  
US 2002367950 P 20020326  
US 2002367975 P 20020326  
US 2002328685 A 20021223  
KR 2004052212 A 20040622 KR 200430647 A 20040430 200468 E  
KR 2005101306 A 20051021 KR 200591129 A 20050929 200649 E

Priority Applications (no., kind, date): US 2002367975 P 20020326; US  
2002367950 P 20020326; US 2002367949 P 20020326; US 2002367948 P  
20020326; US 2002367946 P 20020326; US 2002367945 P 20020326; US  
2002328685 A 20021223

Patent Details  
Number Kind Lan Pg Dwg Filing Notes  
DE 20304817 U1 DE 53 22 Related to Provisional US 2002367945  
US 20030185177 A1 EN Related to Provisional US 2002367946  
Related to Provisional US 2002367948  
Related to Provisional US 2002367949  
Related to Provisional US 2002367950  
Related to Provisional US 2002367975

**Alerting Abstract DE U1**  
NOVELTY - The RLAN contains one or more basic stations with transceivers, configured with an interface for TDD-WCDMA communications in selected geographic region. There is at least one controller coupled to a group of basic stations, using stacked, layered protocol link. A lower transport layer is configured for use of IP. A RAN-IP gateway is coupled to a group of controllers, containing the above controller. The RAN-IP gateway contains a gateway general packet radio service-support node (GGSN), configured with an interface for connection to internet. A serving SGSN is linked to the controller group.

USE - For telecommunication network with RLAN for simultaneous radio communication services.

ADVANTAGE - Improved network architecture.

DESCRIPTION OF DRAWINGS - The figure shows universal mobile telecommunication system (UMTS), containing RLAN with direct internet link of invention.

Title Terms/Index Terms/Additional Words: RADI O; LOCAL; AREA; NETWORK; ACCESS; PROTOCOL; RUN; IP; GATEWAY; AUTHENTI CI TY; AUTHORI SE; BREAK; FUNCTI ON; CORE

Class Codes

International Classification (Main): H04L-012/28

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04L-0012/ 28	A	I	R	20060101
H04L-0012/ 56	A	I	R	20060101
H04L-0012/ 64	A	N	R	20060101
H04L-0012/ 66	A	I	R	20060101
H04L-0029/ 06	A	I	R	20060101
H04L-0029/ 08	A	N	R	20060101
H04Q-0007/ 22	A	I	R	20060101
H04Q-0007/ 30	A	I	R	20060101
H04Q-0007/ 38	A	N	R	20060101
H04L-0012/ 28	C	I	R	20060101
H04L-0012/ 56	C	I	R	20060101
H04L-0012/ 64	C	N	R	20060101
H04L-0012/ 66	C	I	R	20060101
H04L-0029/ 06	C	I	R	20060101
H04L-0029/ 08	C	N	R	20060101
H04Q-0007/ 22	C	I	R	20060101
H04Q-0007/ 30	C	I	R	20060101
H04Q-0007/ 38	C	N	R	20060101

US Classification, Issued: 370338000, 370335000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI / S-X): W01-A06B5A; W01-A06G3; W01-A06G5C; W01-B05A1A; W02-C03C1A; W02-C03C1G; W02-K02C; W02-K05A7

### 33/ 5/ 50 (Item 50 from file: 350)

DIALOG(R) File 350: Derwent WPI X

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0012763537 - Drawing available

WPI ACC NO: 2002-617134/ 200266

XRPX Acc No: N2002-488346

Communication system using network, has connectivity application which accesses connection information corresponding to one of access points in access provider, based on priority value assigned to connection information

Patent Assignee: DANI HER WM (DANI-I); HANNAN J W (HANN-I); O'CONNELL R M (OCOM-I); SLEMMER M W (SLEM-I)

Inventor: DANI HER WM HANNAN J W O'CONNELL R M SLEMMER M W

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 20020069284	A1	20020606	US 2000205015	P	20000517	200266 B
			US 2001859739	A	20010517	

Priority Applications (no., kind, date): US 2000205015 P 20000517; US 2001859739 A 20010517

### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes	
US 20020069284	A1	EN	25	12	Related to Provisional	US 2000205015

### Alerting Abstract US A1

NOVELTY - An access provider (115) comprises points each of which includes connection information that are used by connectivity application to establish communication between user computing device and communication network (120). The connectivity application accesses connection information corresponding to one of the access points, based on priority value assigned to connection information by a management server (135).

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Server communicating with connectivity application on computing devices;
2. Connectivity application controlling method;
3. Connectivity application for establishing communication between computing device and network;

#### 4. Communication links provision method for computer network.

**USE -** For establishing communication between network such as Internet and uses computing device such as personal computer, workstation, server, mini-computer, main-frame computer, laptop computer, network of individual computers, personal digital assistant, mobile computer, palm-top computer, hand-held computer, cellular telephones, other mobile telephones, set top box for TV, interactive television, interactive kiosk, smart appliance, communication device, interactive **wireless** communication device and other microprocessor included domestic appliances.

**ADVANTAGE -** Enables the user computing device to communicate with network through one or more of access points of access provider.

**DESCRIPTION OF DRAWINGS -** The figure shows a block diagram of communication system

- 115 Access provider
- 120 Communication network
- 135 Management server

**Title Terms/Index Terms/Additional Words:** COMMUNICATE; SYSTEM; NETWORK; CONNECT; APPLY; ACCESS; INFORMATION; CORRESPOND; ONE; POINT; BASED; PRIORITY; VALUE; ASSIGN

#### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04L-0012/24	A	I	R	20060101
H04L-0012/28	A	I	R	20060101
H04L-0029/06	A	I	R	20060101
H04Q-0003/66	A	I	R	20060101
H04L-0012/24	C	I	R	20060101
H04L-0012/28	C	I	R	20060101
H04L-0029/06	C	I	R	20060101
H04Q-0003/64	C	I	R	20060101

US Classification, Issued: 709227000, 709217000, 709250000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-C03A; T01-N02B1; W01-A06E; W01-C05B4

#### 33/5/60 (Item 60 from file: 350)

DIALOG(R) File 350: Derwent WPI X

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0011059883 - Drawing available  
WPI ACC NO: 2001-521665/ **200157**

XRPX Acc No: N2001-386584

#### Mobile communication system

Patent Assignee: FUJITSU LTD (FUIT); KANAGAWA A (KANA-I)

Inventor: KANAGAWA A; KANAGAWA A F L

Patent Family (17 patents, 9 countries)

Patent Number	Kind	Date	Number	Application		
				Kind	Date	Update
WO 2001026396	A1	20010412	WO 1999JP5389	A	19990930	200157 B
EP 1213933	A1	20020612	EP 199974075	A	19990930	200239 E
			WO 1999JP5389	A	19990930	
US 20020090951	A1	20020711	WO 1999JP5389	A	19990930	200248 E
			US 200280977	A	20020221	
CN 1371578	A	20020925	CN 1999816925	A	19990930	200305 E
			WO 1999JP5389	A	19990930	
JP 2001529229	X	20030507	WO 1999JP5389	A	19990930	200331 E
EP 1213933	B1	20040714	JP 2001529229	A	19990930	
			EP 1999974075	A	19990930	
EP 1443783	A2	20040804	EP 1999974075	A	19990930	200451 NCE
			EP 200410681	A	19990930	
DE 69918730	E	20040819	DE 69918730	A	19990930	200455 E
			EP 1999974075	A	19990930	
			WO 1999JP5389	A	19990930	
CN 1571552	A	20050126	CN 1999816925	A	19990930	200533 NCE
			CN 200410059032	A	19990930	

DE 69918730	T2	20050721	DE 69918730 EP 1999974075 WO 1999JP5389	A 19990930	200548	E
CN 1185890	C	20050119	CN 1999816925	A 19990930	200620	NCE
CN 1297166	C	20070124	CN 200410059032	A 19990930	200740	NCE
US 7233797	B2	20070619	WO 1999JP5389 US 200280977	A 19990930 A 20020221	200741	E
US 20070149199	A1	20070628	WO 1999JP5389 US 200280977	A 19990930 A 20020221	200743	E
US 20070149205	A1	20070628	WO 1999JP5389 US 200280977	A 19990930 A 20020221	200743	E
EP 1443783	B1	20071107	EP 1999974075 EP 200410681	A 19990930 A 19990930	200778	NCE
DE 69937508	E	20071220	DE 69937508 EP 200410681	A 19990930 A 19990930	200802	NCE

Priority Applications (no., kind, date): WO 1999JP5389 A 19990930; CN 1999816925 A 19990930; EP 200410681 A 19990930; CN 200410059032 A 19990930; DE 69937508 A 19990930

#### Patent Details

Number	Kind	Lang.	Pg	Dwg	Filing	Notes
WO 2001026396	A1	JA	53	17		
National Designated States, Original:					CN JP KR US	
Regional Designated States, Original:					DE FR GB IT SE	
EP 1213933	A1	EN			PCT Application WO 1999JP5389 Based on OPI patent WO 2001026396	
Regional Designated States, Original:					DE FR GB IT SE	
US 20020090951	A1	EN			Continuation of application WO 1999JP5389	
CN 1371578	A	ZH			PCT Application WO 1999JP5389	
JP 2001529229	X	JA			PCT Application WO 1999JP5389 Based on OPI patent WO 2001026396	
EP 1213933	B1	EN			PCT Application WO 1999JP5389 Related to application EP 200410681 Based on OPI patent WO 2001026396	
Regional Designated States, Original:					DE GB	
EP 1443783	A2	EN			Division of application EP 1999974075	
Regional Designated States, Original:					Division of patent EP 1213933	
DE 69918730	E	DE			Application EP 1999974075 PCT Application WO 1999JP5389 Based on OPI patent EP 1213933 Based on OPI patent WO 2001026396	
CN 1571552	A	ZH			Division of application CN 1999816925	
DE 69918730	T2	DE			Application EP 1999974075 PCT Application WO 1999JP5389 Based on OPI patent EP 1213933 Based on OPI patent WO 2001026396	
US 7233797	B2	EN			Continuation of application WO 1999JP5389	
US 20070149199	A1	EN			Continuation of application WO 1999JP5389	
200280977					Continuation of application US 200280977	
US 20070149205	A1	EN			Continuation of application WO 1999JP5389	
EP 1443783	B1	EN			Division of application EP 1999974075	
Regional Designated States, Original:					Division of patent EP 1213933	
DE 69937508	E	DE			Application EP 200410681 Based on OPI patent EP 1443783	

#### Alerting Abstract WO A1

NOVELTY - A base station device (31) provided in a unit cell (41) is

included in a base station controller (21), and a base station device (32) provided in a unit cell (42) is included in a base station controller (22). A base station device (33) provided in a boundary cell (43) adjacent to both the unit cell (41) and the unit cell (42) is included in the base station controller (21) and the base station controller (22). Frequencies (RF1, RF2) are allocated to the unit cell (41), the unit cell (42) and the boundary cell (43), respectively. The communications associated with the base station device (33) at the frequency (RF1) are controlled by the base station controller (21) while those at the frequency (RF2) are controlled by the base station controller (22).

USE - Mobile communication system

DESCRIPTION OF DRAWINGS - 31 Base station device

41 Unit cell  
21 Base station controller  
32 Base station device  
42 Unit cell  
22 Base station controller  
33 Base station device  
43 Boundary cell  
43 Boundary cell

Title Terms/Index Terms/Additional Words: MOBILE; COMMUNICATE; SYSTEM

#### Class Codes

International Classification (Main): H04Q 007/22, H04Q 007/38

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04Q 0007/ 20	A	I	F	B	20060101
H04Q 0007/ 30	A	I	F		20060101
H04Q 0007/ 30	A	I		R	20060101
H04Q 0007/ 36	A	I	F	B	20060101
H04Q 0007/ 36	A	I		R	20060101
H04Q 0007/ 38	A	I		R	20060101
H04Q 0007/ 38	A	N		R	20060101
H04Q 0007/ 36	A	I	F		20060101
H04Q 0007/ 20	C	I	F	B	20060101
H04Q 0007/ 20	C	I		B	20060101
H04Q 0007/ 30	C	I		R	20060101
H04Q 0007/ 30	C	I			20060101
H04Q 0007/ 36	C	I	F	B	20060101
H04Q 0007/ 36	C	I		R	20060101
H04Q 0007/ 38	C	I		R	20060101
H04Q 0007/ 38	C	N		R	20060101
H04Q 0007/ 36	C	I			20060101

US Classification, Issued: 455446000, 455450000, 455436000, 455450000, 455446000, 455446000, 455450000, 455432000, 455460000, 455461000, 370331000, 370332000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A

33/5/76 (Item 76 from file: 350)

DIALOG(R) File 350: Derwent WPI X

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0010144976 - Drawing available  
WPI ACC NO: 2000-453559/ 200040

XRPX Acc No: N2000-337838

Mobile wireless apparatus e.g. for performing wireless communication with base station

Patent Assignee: MITSUBISHI MATERIALS CORP (MTV); NAGIRAT (NAGI-I); TARI K (TARI-I); UNOKI H (UNOK-I)

Inventor: NAGIRAT; NGIRAT; TARI K; TASATO K; UNOKI H

Patent Family (6 patents, 27 countries)

Patent Number	Kind	Date	Number	Kind	Date	Update
EP 1011286	A2	20000621	EP 1999125305	A	19991217	200040 B
JP 2000184460	A	20000630	JP 1998361658	A	19981218	200043 E
JP 3196747	B2	20010806	JP 1998361658	A	19981218	200147 E
US 20030119486	A1	20030626	US 1999466191	A	19991217	200343 E

US 20030190893	A1	20031009	US 1999466191	A	19991217	200367	E
			US 2003439240	A	20030516		
US 20040072587	A1	20040415	US 1999466191	A	19991217	200426	E
			US 2003677364	A	20031003		

Priority Applications (no., kind, date): JP 1998361658 A 19981218

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 1011286	A2	EN	23	13		
Regional Designated States, Original:	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2000184460	A	JA	16			
JP 3196747	B2	JA	16		Previously issued patent	JP 2000184460
US 20030190893	A1	EN			Division of application	US 1999466191
US 20040072587	A1	EN			Continuation of application	US 1999466191

#### Alerting Abstract EP A2

**NOVELTY** - The apparatus has a mobile **wireless** apparatus receiving data including destination information, which form a transmission packet transmitted by the base station **wireless** apparatus currently connected to it by radio and detects and determines a destination. The apparatus receives, when the destination of the transmission packet is not the mobile **wireless** apparatus, a transmission channel of another base station **wireless** apparatus whose communication area is adjacent to that of the base station **wireless** apparatus during sending of second data subsequent to the first data, the second data forming the transmission packet. The mobile **wireless** apparatus detects and obtains electrical field intensity of the transmission channel.

**DESCRIPTION** - An INDEPENDENT CLAIM is included for

1. a base station **wireless** apparatus
2. a computer readable medium for causing a computer to execute an electrical field intensity

**USE** - For performing **wireless** communication with base station.

**ADVANTAGE** - Detects receivable channel based on pre obtained electrical field intensity information when mobile **wireless** apparatus moves outside in service area.

**DESCRIPTION OF DRAWINGS** - The figure shows a timing of a signal transmitted through a transmission channel of the base station **wireless** apparatus and timing of the operation of the mobile **wireless** apparatus.

**45/5/3 (Item 1 from file: 350)**

DI ALOG(R) File 350: Derwent WPI X  
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0016655451 - Drawing available  
WPI ACC NO: 2007-370538/200735

XRPX Acc No: N2007-275890

Internet based access point management system e.g. for door or locker has computer managed openings comprising computers that are selectively interconnected with electronically controlled locking devices having lock and controller

Patent Assignee: HARROW PROD LLC (HARR-N)

Inventor: LAVELLE G E; YUAN J

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 7181507	B1	20070220	US 2000618516	A	20000718	200735 B

Priority Applications (no., kind, date): US 2000618516 A 20000718

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 7181507	B1	EN	16	5		

**Alerting Abstract US B1**

NOVELTY - The computer managed openings (30, 41) have computers (36) selectively interconnected with electronically controlled locking devices. The access points (32a-32c, 42, 44) are lockable using the locking device. The locking devices have locks and controllers (38a-38c) having associated database for storing credential list for access points and other data, such that the controller automatically effects locking/releasing of lock upon presentation of proper credentials regardless of state of communication link. A system command operates to modify data stored in database.

DESCRIPTION - An INDEPENDENT CLAIM is included for method of managing access control system for facility.

USE - For managing access points such as door or locker in school or university, through internet.

ADVANTAGE - Enables management of several sites, efficiently, using essentially a single management system. The maintenance and management costs for each facility are reduced. The management system is operated without significant training and continuing education requirements for the facility operators.

DESCRIPTION OF DRAWINGS - The figure shows a schematic view of the internet based access point management system

12 Remote computer managed opening server

18, 20, 22 Facilities

32a-32c, 42, 44 Access points

38a-38c Controllers

**Title Terms/Index Terms/Additional Words:** BASED; ACCESS; POINT; MANAGEMENT; SYSTEM; DOOR; LOCKER; COMPUTER; OPEN; COMPRISE; SELECT; INTERCONNECT; ELECTRONIC; CONTROL; LOCK; DEVICE

**Class Codes**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0015/177 A I F B 20060101

G06F-0015/16 C I B 20060101

US Classification, Issued: 709220000, 709221000, 707010000

File Segment: EPI;

DWPI Class: T01; T05; X25

Manual Codes (EPI/S-X): T01-N01D3; T05-D01; X25-M01

**45/5/9 (Item 7 from file: 350)**

DI ALOG(R) File 350: Derwent WPI X

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0013614187 - Drawing available  
WPI ACC NO: 2003-709474/200367  
XPPX Acc No: N2003-567075

Wireless local area network system for computer terminals, has access point connected to terminals and includes web server that treats specified terminal as system manager and other terminals as user terminals

Patent Assignee: NEC CORP (NI DE)

Inventor: KACHI S; KACHI Y

Patent Family (3 patents, 2 countries)

Patent	Number	Kind	Date	Number	Kind	Date	Update
US 20030131082	A1	20030710	US 2003337311	A	20030107	200367	B
JP 2003204338	A	20030718	JP 20022419	A	20020109	200367	E
JP 3518599	B2	20040412	JP 20022419	A	20020109	200425	E

Priority Applications (no., kind, date): JP 20022419 A 20020109

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20030131082	A1	EN	18	8		
JP 2003204338	A	JA	14			
JP 3518599	B2	JA	14		Previously issued patent	JP 2003204338

#### Alerting Abstract US A1

NOVELTY - The system has an access point (AP) (1) wirelessly connected to terminals and includes a web server (11) that treats a specified terminal as a system manager terminal. The server receives the medium access control (MAC) address of each terminal. The server treats the terminals other than the specified terminal as user terminals whose access to the server is limited by the system manager.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a management method of a wireless LAN system

USE - Used for portable information terminals e.g. a note type PC terminal.

ADVANTAGE - The web server receives the MAC address of the terminals and treats the terminals as a system manager, thereby processing of authentication is simplified.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of a wireless LAN system

1 AP

11 Web server (13) MAC driver.

Title Terms/Index Terms/Additional Words: WIRELESS; LOCAL; AREA; NETWORK; SYSTEM; COMPUTER; TERMINAL; ACCESS; POINT; CONNECT; WEB; SERVE; TREAT; SPECIFIED; MANAGE; USER